

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jonathan Scott Brecher

Serial No.: To Be Assigned

Filed: Herewith (This application claims the benefit of U.S. Provisional Application Serial No. 60/119,930 entitled DERIVING A CHEMICAL STRUCTURE FROM A CHEMICAL NAME, filed on February 12, 1999.)

Title: DERIVING CHEMICAL STRUCTURAL INFORMATION

Box Patent Application
Assistant Commissioner for Patents
Washington, DC 20231

COVER SHEET FOR APPENDIX: NOMTOKENS

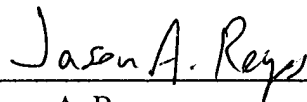
Dear Sir:

Enclosed for filing in the above-referenced patent application is the following document:

1. Appendix: NOMTOKENS, 111 pages.

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Respectfully submitted,



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pival root trivial

C,1,(=,x,0,x,),x,C,2|a|alpha,(,x,C,3|b|beta,)(,x,C,4|3',),x,C,5|3''

amyl root alkane C,4@1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta|w|omega

capro root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon|w|omega

acexam root root

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,N,x,C,x,(=0),x,C,x,

enatho|enanth|oenantho|oenanth root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7|w|omega

geron root trivial

C,1,(=,x,0,x,),x,C,2|a|alpha,(C)(C),x,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,(=0),x,C,7|w|omega

capryl root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8|w|omega

octoate root root

0,1@x,C,1,(=0),x,C,2|a|alpha,(,x,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,n,),x,C,x,C,x

pelargono|pelargon|pelarg|pergon root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9|w|omega

capr root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,10|w|omega

obtusil root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,=,x,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,10|w|omega

stilling root alkane

C,1/,x,C,2|a|alpha,=,x,C,3|b|beta,/,x,C,4|g|gamma,=,x,C,5|d|delta,\,x,C,6|e|epsilon,C,7,C,8,C,9,C,10|w|omega

lauro|laur|vulv|laurostear root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,10,C,11,C,12|w|omega

linder root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,=,x,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,10,C,11,C,12|w|omega

myristo|myrist root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,10,C,11,C,12,C,13,C,14|w|omega

physeter|physoter root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,=,x,C,6|e|epsilon,C,7,C,8,C,9,C,10,C,11,C,12,C,13,C,14|w|omega

ipurol root alkane

C,1,C,2|a|alpha,C,3|b|beta,(0),x,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,10,C,11,(0),x,C,12,C,13,C,14|w|omega

tsuzu|tudu root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,=,x,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,10,C,11,C,12,C,13,C,14|w|omega

myristelaid root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9,=,x,C,10,/,x,C,11,C,12,C,13,C,14|w|omega

myristole root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9,=,x,C,10,\,x,C,11,C,12,C,13,C,14|w|omega

palmito|palmit|cet root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,10,C,11,C,12,C,13,C,14,C,15,C,16|w|omega

palmitelaid root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9
 ,=,x,C,10,/,x,C,11,C,12,C,13,C,14,C,15,C,16|w|omega

palmitole root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9
 ,=,x,C,10,\,x,C,11,C,12,C,13,C,14,C,15,C,16|w|omega

hiragon root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,=,x,C,7,C,8,C,9
 ,C,10,=,x,C,11,C,12,C,13,C,14,=,x,C,15,C,16|w|omega

ustil root alkane

C,1,C,2|a|alpha,(0),x,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C
 ,9,C,10,C,11,C,12,C,13,C,14,C,15,(0),x,C,16|w|omega,0,x

ambrettol root alkane

C,1,C,2|a|alpha,(0),x,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,=,x,C
 ,8,C,9,C,10,C,11,C,12,C,13,C,14,C,15,C,16|w|omega,0,x

aleurit root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,(0)
 ,x,C,10,(0),x,C,11,C,12,C,13,C,14,C,15,C,16|w|omega,0,x

gaid|hypogae root alkane

C,1,C,2|a|alpha,=,x,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9
 ,C,10,C,11,C,12,C,13,C,14,C,15,C,16|w|omega

juniper root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,1
 0,C,11,C,12,C,13,C,14,C,15,C,16|w|omega,0,x

margaro|margar root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,1
 0,C,11,C,12,C,13,C,14,C,15,C,16,C,17|w|omega

stear|stearophan root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,1
 0,C,11,C,12,C,13,C,14,C,15,C,16,C,17,C,18|w|omega

moroct root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,=,x,C,5|d|delta,C,6|e|epsilon,C,7,C,8,=,x
 ,C,9,C,10,C,11,C,12,=,x,C,13,C,14,C,15,=,x,C,16,C,17,C,18|w|omega

parinar root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,=,x
 ,C,10,C,11,=,x,C,12,C,13,=,x,C,14,C,15,=,x,C,16,C,17,C,18|w|omega

eleostear root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9
 ,=,x,C,10,\,x,C,11,=,x,C,12,/,x,C,13,=,x,C,14,\,x,C,15,C,16,C,17,C,18|w|omega

stearol loveracid root

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,#,x
 ,C,10,C,11,C,12,C,13,C,14,C,15,C,16,C,17,C,18|w|omega

couep|lican root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,(=0),x,C,5|d|delta,C,6|e|epsilon,C,7,C,8,
 C,9,=,x,C,10,C,11,=,x,C,12,C,13,=,x,C,14,C,15,C,16,C,17,C,18|w|omega

trichosan root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9
 ,=,x,C,10,/,x,C,11,=,x,C,12,\,x,C,13,=,x,C,14,/,x,C,15,C,16,C,17,C,18|w|omega

floionol|phloionol root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,(0)
 ,x,C,10,(0),x,C,11,C,12,C,13,C,14,C,15,C,16,C,17,C,18|w|omega,0,x

lycaon root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,1
 0,C,11,C,12,(=0),x,C,13,C,14,C,15,C,16,C,17,C,18|w|omega

lactarin root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,(=0),x,C,7,C,8,
 C,9,C,10,C,11,C,12,C,13,C,14,C,15,C,16,C,17,C,18|w|omega

jalapinol root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,10,C,11,(O),x,C,12,C,13,C,14,C,15,C,16,C,17,C,18|w|omega

ole root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9,=,x,C,10,\,x,C,11,C,12,C,13,C,14,C,15,C,16,C,17,C,18|w|omega

elaaid root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9,=,x,C,10,/,x,C,11,C,12,C,13,C,14,C,15,C,16,C,17,C,18|w|omega

ricinole|ricinol root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9,=,x,C,10,\,x,C,11,[C@H],12,(O),x,C,13,C,14,C,15,C,16,C,17,C,18|w|omega

ricinelaaid root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9,=,x,C,10,/,x,C,11,[C@H],12,(O),x,C,13,C,14,C,15,C,16,C,17,C,18|w|omega

linole|telfair root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9,=,x,C,10,\,x,C,11,/,x,C,12,=,x,C,13,\,x,C,14,C,15,C,16,C,17,C,18|w|omega

vermol loveracid root CCCCCC\C=C/C[C@H]1[C@@H](CCCCC)O1,x

linolelaaid root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9,=,x,C,10,/,x,C,11,/,x,C,12,=,x,C,13,/,x,C,14,C,15,C,16,C,17,C,18|w|omega

linolenelaaid root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9,=,x,C,10,/,x,C,11,/,x,C,12,=,x,C,13,/,x,C,14,/,x,C,15,=,x,C,16,/,x,C,17,C,18|w|omega

omega

linolen|alphalinolen root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9,=,x,C,10,\,x,C,11,/,x,C,12,=,x,C,13,\,x,C,14,/,x,C,15,=,x,C,16,\,x,C,17,C,18|w|omega

omega

gammalinolen root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,/,x,C,6|e|epsilon,=,x,C,7,\,x,C,8,/,x,C,9,=,x,C,10,\,x,C,11,/,x,C,12,=,x,C,13,\,x,C,14,C,15,C,16,C,17,C,18|w|omega

omega

vaccen root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,10,/,x,C,11,=,x,C,12,/,x,C,13,C,14,C,15,C,16,C,17,C,18|w|omega

petroselaaid root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,/,x,C,6|e|epsilon,=,x,C,7,/,x,C,8,C,9,C,10,C,11,C,12,C,13,C,14,C,15,C,16,C,17,C,18|w|omega

petroselin root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,/,x,C,6|e|epsilon,=,x,C,7,\,x,C,8,C,9,C,10,C,11,C,12,C,13,C,14,C,15,C,16,C,17,C,18|w|omega

calend root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,/,x,C,8,=,x,C,9,\,x,C,10,=,x,C,11,\,x,C,12,=,x,C,13,\,x,C,14,C,15,C,16,C,17,C,18|w|omega

arachido|arachid|arachin root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,10,C,11,C,12,C,13,C,14,C,15,C,16,C,17,C,18,C,19,C,20|w|omega

gadole root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,/,x,C,9,=,x,C,10,\,x,C,11,C,12,C,13,C,14,C,15,C,16,C,17,C,18,C,19,C,20|w|omega

arachidon root alkane

C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,/,x,C,5|d|delta,=,x,C,6|e|epsilon,\,x,C,7,/,x,C,8,=,x,C,9,\,x,C,10,/,x,C,11,=,x,C,12,\,x,C,13,/,x,C,14,=,x,C,15,\,x,C,16,C,17,C,18,C,19,C,20|w|omega

Case	Age	Sex	Site	Pathologic	Survival
1	65	M	Rectum	Adenocarcinoma	10 years
2	68	F	Rectum	Adenocarcinoma	12 years
3	72	M	Rectum	Adenocarcinoma	15 years
4	75	F	Rectum	Adenocarcinoma	18 years
5	78	M	Rectum	Adenocarcinoma	20 years
6	80	F	Rectum	Adenocarcinoma	22 years
7	82	M	Rectum	Adenocarcinoma	25 years
8	85	F	Rectum	Adenocarcinoma	28 years
9	88	M	Rectum	Adenocarcinoma	30 years
10	90	F	Rectum	Adenocarcinoma	32 years
11	92	M	Rectum	Adenocarcinoma	35 years
12	95	F	Rectum	Adenocarcinoma	38 years
13	98	M	Rectum	Adenocarcinoma	40 years
14	100	F	Rectum	Adenocarcinoma	42 years
15	102	M	Rectum	Adenocarcinoma	45 years
16	105	F	Rectum	Adenocarcinoma	48 years
17	108	M	Rectum	Adenocarcinoma	50 years
18	110	F	Rectum	Adenocarcinoma	52 years
19	112	M	Rectum	Adenocarcinoma	55 years
20	115	F	Rectum	Adenocarcinoma	58 years
21	118	M	Rectum	Adenocarcinoma	60 years
22	120	F	Rectum	Adenocarcinoma	62 years
23	122	M	Rectum	Adenocarcinoma	65 years
24	125	F	Rectum	Adenocarcinoma	68 years
25	128	M	Rectum	Adenocarcinoma	70 years
26	130	F	Rectum	Adenocarcinoma	72 years
27	132	M	Rectum	Adenocarcinoma	75 years
28	135	F	Rectum	Adenocarcinoma	78 years
29	138	M	Rectum	Adenocarcinoma	80 years
30	140	F	Rectum	Adenocarcinoma	82 years
31	142	M	Rectum	Adenocarcinoma	85 years
32	145	F	Rectum	Adenocarcinoma	88 years
33	148	M	Rectum	Adenocarcinoma	90 years
34	150	F	Rectum	Adenocarcinoma	92 years
35	152	M	Rectum	Adenocarcinoma	95 years
36	155	F	Rectum	Adenocarcinoma	98 years
37	158	M	Rectum	Adenocarcinoma	100 years
38	160	F	Rectum	Adenocarcinoma	102 years
39	162	M	Rectum	Adenocarcinoma	105 years
40	165	F	Rectum	Adenocarcinoma	108 years
41	168	M	Rectum	Adenocarcinoma	110 years
42	170	F	Rectum	Adenocarcinoma	112 years
43	172	M	Rectum	Adenocarcinoma	115 years
44	175	F	Rectum	Adenocarcinoma	118 years
45	178	M	Rectum	Adenocarcinoma	120 years
46	180	F	Rectum	Adenocarcinoma	122 years
47	182	M	Rectum	Adenocarcinoma	125 years
48	185	F	Rectum	Adenocarcinoma	128 years
49	188	M	Rectum	Adenocarcinoma	130 years
50	190	F	Rectum	Adenocarcinoma	132 years
51	192	M	Rectum	Adenocarcinoma	135 years
52	195	F	Rectum	Adenocarcinoma	138 years
53	198	M	Rectum	Adenocarcinoma	140 years
54	200	F	Rectum	Adenocarcinoma	142 years
55	202	M	Rectum	Adenocarcinoma	145 years
56	205	F	Rectum	Adenocarcinoma	148 years
57	208	M	Rectum	Adenocarcinoma	150 years
58	210	F	Rectum	Adenocarcinoma	152 years
59	212	M	Rectum	Adenocarcinoma	155 years
60	215	F	Rectum	Adenocarcinoma	158 years
61	218	M	Rectum	Adenocarcinoma	160 years
62	220	F	Rectum	Adenocarcinoma	162 years
63	222	M	Rectum	Adenocarcinoma	165 years
64	225	F	Rectum	Adenocarcinoma	168 years
65	228	M	Rectum	Adenocarcinoma	170 years
66	230	F	Rectum	Adenocarcinoma	172 years
67	232	M	Rectum	Adenocarcinoma	175 years
68	235	F	Rectum	Adenocarcinoma	178 years
69					

lesquerol root alkane

beheno|behen root alkane

eruc root alkane

brassicid root alkane

lignocero|lignocer root alkane

cerebron|phrenosin root alkane

nervon root alkane

hyen root alkane

cerotino|cerotin|cerot|cerane root alkane

ceryl root alkane

cluyt	montano	montan	root	alkane
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melisso|meliss|myric root alkane

laccero|laccer root alkane

$$\text{acroleine} | \text{acrolein root root } C,1, (=,x,0,x,) ,x,C,2 | a | \alpha, =,x,C,3 | b | \beta | w | \omega$$

methacrolein root root C,1,(=,x,0,x,),x,C,2|a|alpha,(C),x,=,x,C,3|b|beta|w|omega

acr root trivial C,1,(=,x,0,x,),x,C,2|a|alpha,=,x,C,3|b|beta|w|omega

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hydracr root trivial C,1,(=,x,0,x),x,C,2,C,3|w|omega,0,o
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adipo|adip root diacid
C,1,(=,x,O,x),x,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,4@6,=,x,O,x
glutacon|glutacono root diacid C,1,(=,x,O,x),x,C,2,=,x,C,3,C,4,C,4@5,=,x,O,x
mucon|mucono root diacid C,1,(=,x,O,x),x,C,2,=,x,C,3,C,4,=,x,C,5,C,4@6,=,x,O,x
dihydromucon|dihydromucono root diacid
C,1,(=,x,O,x),x,C,2,=,x,C,3,C,4,C,5,C,4@6,=,x,O,x
pimelo|pimel|piler root diacid
C,1,(=,x,O,x),x,C,2,C,3,C,4,C,5,C,6,C,4@7,=,x,O,x
subero|suber root diacid
C,1,(=,x,O,x),x,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6,C,7,C,4@8,=,
x,O,x
azela|azele|azel|lepargyl root diacid
C,1,(=,x,O,x),x,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6,C,7,C,8,C,4@
9,=,x,O,x
sebaco|sebac root diacid
C,1,(=,x,O,x),x,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6,C,7,C,8,C,9,
C,4@10,=,x,O,x
traumat|traumato root diacid
C,1,(=,x,O,x),x,C,2,=,x,C,3,C,4,C,5,C,6,C,7,C,8,C,9,C,10,C,11,C,4@12,=,x,O,x
brassylo|brassyl root diacid
C,1,(=,x,O,x),x,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6,C,7,C,8,C,9,
C,10,C,11,C,12,C,4@13,=,x,O,x
thapso|thaps root diacid
C,1,(=,x,O,x),x,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6,C,7,C,8,C,9,
C,10,C,11,C,12,C,13,C,14,C,15,C,4@16,=,x,O,x
floion|phloion root diacid
C,1,(=,x,O,x),x,C,2,C,3,C,4,C,5,C,6,C,7,C,8,C,9,(O),x,C,10,(O),x,C,11,C,12,C,13
,C,14,C,15,C,16,C,17,C,4@18,=,x,O,x
folin root diacid
C,x,(=,x,O,x),x,(C(CC,x,C,4@x,=O)NC(C(C=C3)=CC=C3NCC(CN2)N(C=O)C1=C2N=C(N)NC1=O
)=O),x
spiculspor root diacid
C,x,(=,x,O,x),x,Ring,Ring1,.,x,C,1,(x,=,x,O,x),x,(x,O,x,Ring,Ring2),x,C,2,C
,3,C,4,Ring,Ring2,Ring,Ring1,C,5,(x,C,4@x,=,x,O,x),x,C,6,C,7,C,8,C,9,C,10,C,11
,C,12,C,13,C,14,C,15
chaulmoogr root alkane
C,1,C,2|a|alpha,C,3|b|beta,C,4|g|gamma,C,5|d|delta,C,6|e|epsilon,C,7,C,8,C,9,C,1
0,C,11,C,12,C,13,[C@@H],x,Ring,Ring1,c,x,c,x,C,x,C,x,Ring,Ring1
pyrocarbon root diacid C,x,(=,x,O,x),x,O,x,C,4@x,=,x,O,x
imidodicarbon|iminodicarbon root diacid C,x,(=,x,O,x),x,N,n,C,4@x,=,x,O,x
pyrocarbon root diacid C,x,(=,x,O,x),x,O,x,C,4@x,=,x,O,x
thiodicarbon root diacid C,x,(=,x,O,x),x,S,x,C,4@x,=,x,O,x
peroxydicarbon root diacid C,x,(=,x,O,x),x,OO,x,C,4@x,=,x,O,x
thioperoxydicarbon root diacid C,x,(=,x,O,x),x,SS,x,C,4@x,=,x,O,x
chelidon|chelid root diacid C,x,(=,x,O,x),x,c1cc(=O)cc(o1),x,C,4@x,=,x,O,x
pamo|embon root diacid
C,x,(=,x,O,x),x,C1=CC3=C(C=CC=C3)C(CC2=C(C=CC=C4)C4=CC(x,C,4@x,=,x,O,x)=C2O)=
C1O,x
citr root polyacid C,1,C,2,C,3,(x,O,x),x,(x,C,x),x,C,x,C,x
isocitr root polyacid C,x,C,x,(x,O,x),x,C,x,(x,C,x),x,C,x,C,x
tricarballyl root polyacid C,x,C,x,C,x,(x,C,x),x,C,x,C,x
aconit root polyacid C,x,C,x,=,x,C,x,(x,C,x),x,C,x,C,x
trimellit root polyacid
C,x,c,1,Ring,Ring1,c,2,(x,C,x),x,c,3,c,4,c,5,(x,C,x),x,c,6,Ring,Ring1
hemimellit root polyacid
C,x,c,1,Ring,Ring1,c,2,(x,C,x),x,c,3,(x,C,x),x,c,4,c,5,c,6,Ring,Ring1

hemimellitene root root
 C,x,c,1, Ring, Ring1, c, 2, (, x, C, x,), x, c, 3, (, x, C, x,), x, c, 4, c, 5, c, 6, Ring, Ring1
 pyromellit root polyacid
 C,x,c,1, Ring, Ring1, c, 2, (, x, C, x,), x, c, 3, c, 4, (, x, C, x,), x, c, 5, (, x, C, x,), x, c, 6, Ring, Ring1
 pyromellitene root root
 C,x,c,1, Ring, Ring1, c, 2, (, x, C, x,), x, c, 3, c, 4, (, x, C, x,), x, c, 5, (, x, C, x,), x, c, 6, Ring, Ring1
 mellit root polyacid
 C,x,c,1, Ring, Ring1, c, 2, (C), x, c, 3, (C), x, c, 4, (C), x, c, 5, (C), x, c, 6, (C), x, Ring, Ring1
 trimes root polyacid
 C,x,c,1, Ring, Ring1, c, 2, c, 3, (, x, C, x,), x, c, 4, c, 5, (, x, C, x,), x, c, 6, Ring, Ring1
 mellophan root polyacid
 C,x,c,1, Ring, Ring1, c, 2, (C), x, c, 3, (C), x, c, 4, (C), x, c, 5, c, 6, Ring, Ring1
 prehnit root polyacid
 C,x,c,1, Ring, Ring1, c, 2, (C), x, c, 3, (C), x, c, 4, c, 5, (C), x, c, 6, Ring, Ring1
 berberon|beron root polyacid
 C,x,c,2, Ring, Ring1, c, 3, (, x, C, x,), x, c, 4, c, 5, (, x, C, x,), x, c, 6, n, 1, Ring, Ring1
 phthalide root root
 O,x,=,x,C,1, Ring, Ring1, O, 2, C, 3|a|alpha, c, 3a, Ring, Ring2, c, 4, c, 5, c, 6, c, 7, c, 7a, Ring, Ring1, Ring, Ring2
 phthalane|phthalan root root
 C, 1, Ring, Ring1, O, 2, C, 3, C, 3a, Ring, Ring2, =, x, C, 4, C, 5, =, x, C, 6, C, 7, =, x, C, 7a, Ring, Ring1, Ring, Ring2
 phthalo|phthal|orthophthal root diacid
 C,x,(=,x,O,x,), x, c, 1, Ring, Ring1, c, 2, (, x, C, 4@x, =, x, O, x,), x, c, 3, c, 4, c, 5, c, 6, Ring, Ring1
 homophthalo|homophthal root diacid
 C,x,(=,x,O,x,), x, c, 1, Ring, Ring1, c, 2, (, x, C, x, C, 4@x, =, x, O, x,), x, c, 3, c, 4, c, 5, c, 6, Ring, Ring1
 isophthalo|mpthalo|isophthal|mpththal root diacid
 C,x,(=,x,O,x,), x, c, 1, Ring, Ring1, c, 2, c, 3, (, x, C, 4@x, =, x, O, x,), x, c, 4, c, 5, c, 6, Ring, Ring1
 terephthalo|ppthalo|terephthal|ppththal root diacid
 C,x,(=,x,O,x,), x, c, 1, Ring, Ring1, c, 2, c, 3, c, 4, (, x, C, 4@x, =, x, O, x,), x, c, 5, c, 6, Ring, Ring1
 uvit root diacid
 C,x,(=,x,O,x,), x, c, 1, Ring, Ring1, c, 2, c, 3, (, x, C, 4@x, =, x, O, x,), x, c, 4, c, 5, (C), x, c, 6, Ring, Ring1
 leucate|leucicacid root root
 C, 1, (=,x,O,x,), x, (, x, O, 1@x,), x, C, 2, (, x, O, x,), x, C, 3, C, 4, (, x, C, 5,), x, C, x
 phenylephrine|phenylephrin root root Oc1cccc(C(O)CNC)c1,x
 norepinephrine|norepinephrin|noradrenaline|noradrenalin|arterenol root root
 Oc1cc(C(O)CN)ccc1O,x
 epinephrine|epinephrin|adrenaline|adrenalin root root Oc1cc(C(O)CNC)ccc1O,x
 adrenalone root root O=C(CNC)c1ccc(O)c(O)c1,x
 norephedrine|norephedrin root root
 OC(C(,x,N,n,)C), x, c, 1, Ring, Ring1, c, 2, c, 3, c, 4, c, 5, c, 6, Ring, Ring1
 ephedrine|ephedrin|pseudoephedrine|pseudoephedrin root root
 OC(C(,x,N,n,C)C), x, c, 1, Ring, Ring1, c, 2, c, 3, c, 4, c, 5, c, 6, Ring, Ring1
 taurine|taurin root root O, 1@x, S, x, (=O) (=O), x, C, 1, C, 2, N, n
 hypotaurine|hypotaurin root root O, 1@x, S, x, (=O), x, C, 1, C, 2, N, n
 cadaverine|cadaverin root root N, n, C, 1, C, 2, C, 3, C, 4, C, 5, N, n'
 putrescine|putrescin root root N, n, C, 1, C, 2, C, 3, C, 4, N, n'
 albizzi aminoacid ine
 C, 1, Ring, Ring1, ., x, N, n|nalpha|n2, C, 2|a|alpha, Ring, Ring1, C, 3|b|beta, NC(=O)N, x


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glutam reqineaminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, C, 5 | d | delta, (=, x, O, x, ), x, N, nd | ndelta | n5
glutam aminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, C, 5 | d | delta, (=, x, O, x, ), x, O, 1 @ x
glyc aminoacid ine C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1
histid aminoacid ine
C, x, Ring, Ring1, ., x, N, n | nalpha | n2, C, a | alpha, Ring, Ring1, C, b | beta, c, 4, Ring, Ring2, c, 5, n, 1 | nt | ntau | im | nim | n' | tau | prefhydro, c, 2, n, 3 | np | np_i, Ring, Ring2
homoargin aminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, C, 5 | d | delta, C, 6 | e | epsilon, N, nd | ndelta, C, x, (=, x, N, nw' | nomega' , ), x, N, nw | nomega
homocitrull aminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, C, 5 | d | delta, C, 6 | e | epsilon, N, x, C, x, (=, x, O, x, ), x, N, x
homocyste reqineaminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, S, s
homocyste aminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, S, s, (=O) (=O), x, O, 1 @ x
homoglutam reqineaminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, C, 5 | d | delta, C, 6 | e | epsilon, (=, x, O, x, ), x, N, ne | nepsilon | n6
homophenylalan aminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, a | alpha, Ring, Ring1, C, b | beta, C, g | gamma, c, x, Ring, Ring2, c, 2 | o | ortho, c, 3 | m | meta, c, 4 | p | para, c, 5, c, 6, Ring, Ring2
homoprol aminoacid ine
C, x, Ring, Ring1, ., x, N, 1 | n | nalpha | n2, Ring, Ring2, C, 2, Ring, Ring1, C, 3, C, 4, C, 5, C, 6, Ring, Ring2
homoser aminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, O, x
homotryptoph aminoacid ane
C, x, Ring, Ring1, ., x, N, n | nalpha | n2, C, a | alpha, Ring, Ring1, C, b | beta, C, g | gamma, C, 3, Ring, Ring2, =, x, C, 2, N, 1, C, 7a, Ring, Ring3, =, x, C, 7, C, 6, =, x, C, 5, C, 4, =, x, C, 3a, Ring, Ring2, Ring, Ring3
iboten aminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C2=CC(=O)NO2, x
isoleuc aminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, [C@H], 2 | a | alpha, Ring, Ring1, [C@H], 3 | b | beta, (, x, C, 4 | g | gamma, C, 5 | d | delta, ), x, C, 3',
isoser aminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, Ring, Ring2, ., x, C, 2 | a | alpha, Ring, Ring1, (O), x, C, 3 | b | beta, Ring, Ring2
isoval aminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, (, x, C, 2', ), x, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma
kynuren aminoacid ine
C, x, Ring, Ring1, ., x, N, n | nalpha | n2, C, a | alpha, Ring, Ring1, C, b | beta, C(=O), x, c, 1, Ring, Ring2, c, 2, (N), x, c, 3, c, 4, c, 5, c, 6, Ring, Ring2
leuc aminoacid ine
C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, (, x, C, 5 | d | delta, ), x, C, 5'

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lys aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, C, 5 | d | delta, C, 6 | e | epsilon, N, n6 | nw | nomega | nepsilon | ne | nz | n'

methion aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, S, x, C, x

mimos aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, N2C=C(O)C(=O)C=C2, x

norleuc aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, C, 5 | d | delta, C, 6 | e | epsilon

norval aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, C, 5 | d | delta

ornith aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, C, 5 | d | delta, N, n5 | ndelta | nd

penicillam aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, (C) (C) S, x

phenylalan|3phenylalan|betaphenylalan aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, a | alpha, Ring, Ring1, C, b | beta, c, x, Ring, Ring2, c, 2 | o | ortho, c, 3 | m | meta, c, 4 | p | para, c, 5, c, 6, Ring, Ring2

prol aminoacid ine

C, x, Ring, Ring1, ., x, N, 1 | n | nalpha | n2, Ring, Ring2, C, 2, Ring, Ring1, C, 3, C, 4, C, 5, Ring, Ring2

3hydroxyprol|hydroxyprol aminoacid ine

C, x, Ring, Ring1, ., x, N, 1 | n | nalpha | n2, Ring, Ring2, C, 2, Ring, Ring1, C, 3, (O), x, C, 4, C, 5, Ring, Ring2

4hydroxyprol aminoacid ine

C, x, Ring, Ring1, ., x, N, 1 | n | nalpha | n2, Ring, Ring2, C, 2, Ring, Ring1, C, 3, C, 4, (O), x, C, 5, Ring, Ring2

5hydroxyprol aminoacid ine

C, x, Ring, Ring1, ., x, N, 1 | n | nalpha | n2, Ring, Ring2, C, 2, Ring, Ring1, C, 3, C, 4, C, 5, (O), x, Ring, Ring2

pyroglutam aminoacid ine

C, x, Ring, Ring1, ., x, N, 1 | n | nalpha | n2, Ring, Ring2, C, 2, Ring, Ring1, C, 3, C, 4, C, 5, (=O), x, Ring, Ring2

sarcos aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, (, x, C, 2 | a | alpha, Ring, Ring1,), x, C, x

selenocyste reqineaminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, [Se], se

selenomethion aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, [Se], x, C, x

ser aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, O, x

tleuc|tertleuc aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, (, x, C, 3',) (, x, C, 3'',), x, C, 3'''

theano|thean aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, C, x, (=O), x, N, x, C, x, C, x

thiocitrull aminoacid ine

C,1, Ring, Ring1, ., x, N, n | nalpha | n2, C, 2 | a | alpha, Ring, Ring1, C, 3 | b | beta, C, 4 | g | gamma, C, 5 | d | delta, N, x, C, x, (=, x, S, x,), x, N, x

mannosamine|mannosamin sugar trivial

O,x,=,x,C,1,[C@@H](,2,N,x,),x,[C@@H](,3,O,x,),x,[C@H](,4,O,x,)[C@H](,5,O,x,),x,C,6,O,x

fucosamine|fucosamin sugar trivial

O,x,=,x,C,1,[C@H](,2,N,x,),x,[C@@H](,3,O,x,),x,[C@@H](,4,O,x,)[C@H](,5,O,x,),x,C,6

quinovosamine|quinovosamin sugar trivial

O,x,=,x,C,1,[C@H](,2,N,x,),x,[C@@H](,3,O,x,),x,[C@H](,4,O,x,)[C@H](,5,O,x,),x,C,6

rhamnosamine|rhamnosamin sugar trivial

O,x,=,x,C,1,[C@@H](,2,N,x,),x,[C@@H](,3,O,x,),x,[C@H](,4,O,x,)[C@H](,5,O,x,),x,C,6

glucal sugar trivial

C,1,Ring,Ring1,=,x,C,2,[C@@H],3,(O),x,[C@H],4,(O),x,[C@H],5,(O1),x,C,6,O,x

rhamnal sugar trivial

C,1,Ring,Ring1,=,x,C,2,[C@@H],3,(O),x,[C@H],4,(O),x,[C@H],5,(O1),x,C,6

galactal sugar trivial

C,1,Ring,Ring1,=,x,C,2,[C@@H],3,(O),x,[C@@H],4,(O),x,[C@H],5,(O1),x,C,6,O,x

glucamine sugar trivial

N,n,C,1,[C@H](,2,O,x,),x,[C@@H](,3,O,x,),x,[C@H](,4,O,x,)[C@H](,5,O,x,),x,C,6,O,x

sucr sugar disugar

OC[C@@]1([C@@H](O)[C@H](O)[C@H](O1)CO)O[C@@H]2[C@H](O)[C@@H](O)[C@H](O)[C@@H](CO)O2,x

trehal sugar disugar

O[C@H]1[C@H](O)[C@@H](CO)O[C@H](O[C@H]2[C@@H](O)[C@H](O)[C@@H](O)[C@H](CO)O2)[C@@H]1O,x

melezit sugar disugar

OC[C@@H]1[C@@H](O)[C@H](O)[C@@H](O)[C@@H](O[C@@]2(CO)[C@@H](O[C@H]3O[C@H](CO)[C@@H](O)[C@H](O)[C@H]3O)[C@H](O)[C@@H](CO)O2)O1,x

stachy|lupe sugar disugar

O[C@H]1[C@@H](CO)O[C@H](OC[C@H]2O[C@H](O[C@H]3[C@@H](O[C@]4(CO)O[C@H](CO)[C@@H](O)[C@@H]4O)O[C@H](CO)[C@@H](O)[C@@H]3O)[C@H](O)[C@@H](O)[C@H]2O)[C@H](O)[C@H]1O,x

lact sugar disugar

OC[C@H]1O[C@@H](O[C@@H]([C@H](O)[C@@H](O)[C@@H](O)O2)[C@H]2CO)[C@H](O)[C@@H](O)[C@H]1O,x

malt|maltobi sugar disugar

O[C@@H]1[C@@H](O)[C@@H](O[C@H]2[C@H](O)[C@@H](O)[C@@H](O)O[C@@H]2CO)O[C@H](CO)[C@@H]1O,x

maltotri sugar disugar

O[C@@H]1[C@@H](O)[C@H](O)[C@@H](CO)O[C@@H]1O[C@@H]2[C@@H](CO)O[C@H](O[C@@H]3[C@@H](CO)OC(O)[C@H](O)[C@H]3O)[C@H](O)[C@H]2O,x

maltotetra sugar disugar

O[C@@H]([C@@H](O[C@H]4[C@H](O)[C@H]([C@@H](O)O[C@@H]4CO)O)O[C@@H]1CO)[C@@H](O)[C@@H]1O[C@@H]2[C@H](O)[C@H]([C@H](O[C@@H](O[C@H](CO)[C@H]3O)[C@H](O)[C@H]3O)[C@@H](CO)O2)O,x

maltopenta sugar disugar

O[C@H]([C@H]2O)[C@H](O[C@H](CO)[C@H]2O)O[C@@H]1[C@@H](CO)O[C@H](O[C@H]3[C@H](O)[C@H]([C@@H](O[C@H]4[C@H](O)[C@H]([C@@H](O[C@H]5[C@H](O)[C@H]([C@@H](O)O[C@@H]5CO)O)O[C@@H]4CO)O)O[C@@H]3CO)O)[C@H](O)[C@H]1O,x

maltohexa sugar disugar

O[C@@H]([C@@H](O[C@H]3[C@H](O)[C@H]([C@@H](O[C@H]6[C@H](O)[C@H]([C@@H](O)O[C@@H]6CO)O)O[C@@H]3CO)O)O[C@@H]1CO)[C@@H](O)[C@@H]1O[C@@H]2[C@H](O)[C@H]([C@H](O[C@@H]4[C@H](O)[C@H]([C@H](O[C@@H](O[C@H](CO)[C@H]5O)[C@H](O)[C@H]5O)[C@@H](CO)O4)O)[C@@H](CO)O2)O,x

[illegible]

inositol pseudosugar unknown x,x
 inositol root root OC1C(O)C(O)C(O)C(O)C1O,x
 mesoinositol|myoinositol root root
 O,x,[C@H],1, Ring, Ring1, [C@@H],2,(O),x,[C@@H],3,(O),x,[C@H],4,(O),x,[C@@H],5,(O),
 x,[C@@H],6, Ring, Ring1, O,x
 scylloinositol root root
 O,x,[C@H],1, Ring, Ring1, [C@H],2,(O),x,[C@@H],3,(O),x,[C@H],4,(O),x,[C@@H],5,(O),x,
 [C@@H],6, Ring, Ring1, O,x
 epiinositol root root
 O,x,[C@H],1, Ring, Ring1, [C@@H],2,(O),x,[C@@H],3,(O),x,[C@@H],4,(O),x,[C@@H],5,(O)
 x,[C@@H],6, Ring, Ring1, O,x
 dinositol root root O[C@H]1[C@@H](O)[C@H](O)[C@H](O)[C@@H](O)[C@@H]1O,x
 linositol root root O[C@@H]1[C@H](O)[C@@H](O)[C@@H](O)[C@H](O)[C@H]1O,x
 quebrachitol root root O[C@@H]1[C@H](O)[C@@H](O)[C@@H](OC)[C@H](O)[C@H]1O,x
 muram pseudosugar unknown x,x
 muram root root
 CC(C)O,x,[C@H],3, Ring, Ring1, [C@H],4,(O),x,[C@@H],5,(x,C,6,O,x),x,O,x,[C@H],1,(
 O),x,[C@H],2,(x,N,n),x, Ring, Ring1
 neuramin pseudosugar unknown x,x
 neuramin root root
 C,x,[C@@],2, Ring, Ring1, (O),x,O,x,[C@@H],6,(x,[C@H],7,(O),x,[C@H],8,(O),x,C,9,O,
 x),x,[C@H],5,(x,N,n),x,[C@@H],4,(O),x,C,3, Ring, Ring1
 sial pseudosugar unknown x,x
 sial root root
 C,x,[C@@],2, Ring, Ring1, (O),x,O,x,[C@@H],6,(x,[C@H],7,(O),x,[C@H],8,(O),x,C,9,O,
 x),x,[C@H],5,(x,NC(=O)C,x),x,[C@@H],4,(O),x,C,3, Ring, Ring1

 adenos|adenyl nucleotide nucleotide
 O,x,C,5', [C@@H],4', Ring, Ring1, [C@@H],3', (O),x,[C@@H],2', (O),x,[C@@H],1', (O,x,Rin
 g, Ring1,) ,x,n,9, Ring, Ring2, c,8,n,7,c,5, Ring, Ring3, c,6,(x,N,n|n6,) ,x,n,1,c,2,n,3
 ,c,4, Ring, Ring3, Ring, Ring2
 cytid|cytidyl nucleotide nucleotide
 O,x,C,5', [C@@H],4', Ring, Ring1, [C@@H],3', (O),x,[C@@H],2', (O),x,[C@@H],1', (O,x,Rin
 g, Ring1,) ,x,n,1, Ring, Ring2, c,2,(=O),x,n,3,c,4,(x,N,n|n4,) ,x,c,5,c,6, Ring, Ring2
 guanos|guanyl nucleotide nucleotide
 O,x,C,5', [C@@H],4', Ring, Ring1, [C@@H],3', (O),x,[C@@H],2', (O),x,[C@@H],1', (O,x,Rin
 g, Ring1,) ,x,n,9, Ring, Ring2, c,8,n,7,c,5, Ring, Ring3, c,6,(=O),x,N,1,c,2,(x,N,n|n2,
) ,x,n,3,c,4, Ring, Ring3, Ring, Ring2
 inos nucleotide nucleotide
 O,x,C,5', [C@@H],4', Ring, Ring1, [C@@H],3', (O),x,[C@@H],2', (O),x,[C@@H],1', (O,x,Rin
 g, Ring1,) ,x,n,9, Ring, Ring2, c,8,n,7,c,5, Ring, Ring3, c,6,(O),x,n,1,c,2,n,3,c,4, Ring
 , Ring3, Ring, Ring2
 thymid|thymidyl nucleotide nucleotide
 O,x,C,5', [C@@H],4', Ring, Ring1, [C@@H],3', (O),x,C,2', [C@@H],1', (O,x, Ring, Ring1,) ,x
 ,n,1, Ring, Ring2, c,2,(=O),x,n,3|n,c,4,(=O),x,c,5,(C),x,c,6, Ring, Ring2
 urid|uridyl nucleotide nucleotide
 O,x,C,5', [C@@H],4', Ring, Ring1, [C@@H],3', (O),x,[C@@H],2', (O),x,[C@@H],1', (O,x,Rin
 g, Ring1,) ,x,n,1, Ring, Ring2, c,2,(=O),x,n,3|n,c,4,(=O),x,c,5,c,6, Ring, Ring2
 xanthos|xanthoyl|xanthonyl nucleotide nucleotide
 O,x,C,5', [C@@H],4', Ring, Ring1, [C@@H],3', (O),x,[C@@H],2', (O),x,[C@@H],1', (O,x,Rin
 g, Ring1,) ,x,n,9, Ring, Ring2, c,8,n,7,c,5, Ring, Ring3, c,6,(O),x,n,1,c,2,(O),x,n,3,c,
 4, Ring, Ring3, Ring, Ring2
 orotid|orotidyl nucleotide nucleotide
 O,x,C,5', [C@@H],4', Ring, Ring1, [C@@H],3', (O),x,[C@@H],2', (O),x,[C@@H],1', (O,x,Rin
 g, Ring1,) ,x,n,1, Ring, Ring2, c,2,(=O),x,n,3,c,4,(=O),x,c,5,c,6,(C(=O)O),x, Ring, Rin
 g2

[illegible]

adenyl loveracid root

cytidyl loveracid root

quanyl loveracid root

inos loveracid root

thymidyl loveracid root

uridyl loveracid root

xanthoyl | xanthonyl loveracid root

purineriboside root root

thuj root root

car root root

norcar root root

C, 2, Ring, Ring

```
C,9, ),x,C,1, Ring, Ring2, Ring, Ring1
norpin root root
```

C,2, Ring, Ring1, C,3, C,4, C,5, (, x, C,7, Ring, Ring2,), x, C,6, C,1, Ring, Ring2, Ring, Ring1
camphor loveracid root

```
C,10,C,1, Ring, Ring1, Ring, Ring2, C,2, C,3, C,4, (, x, C,5, C,6, Ring, Ring1, ), x, C,7, (, x, C,
8, ), x, (, x, C,9, ), x, Ring, Ring2
camphor root root
```

```
C, 10, C, 1, Ring, Ring1, Ring, Ring2, C, 2, (=0), x, C, 3, C, 4, (, x, C, 5, C, 6, Ring, Ring1, ), x, C, 7, (, x, C, 8, ), x, (, x, C, 9, ), x, Ring, Ring2
```

```

norcamphor root root
C,1, Ring, Ring1, Ring, Ring2, C,2, (=O), x, C,3, C,4, (, x, C,5, C,6, Ring, Ring1, ), x, C,7, Ring, Ring2
camphorquinone|camphoroquinone root root
C,10, C,1, Ring, Ring1, Ring, Ring2, C,2, (=O), x, C,3, (=O), x, C,4, (, x, C,5, C,6, Ring, Ring1, ), x, C,7, (, x, C,8, ), x, (, x, C,9, ), x, Ring, Ring2
borne|born|camphane|camphan|bornylane|bornylan|isoborne|isoborn root root
C,2, Ring, Ring1, C,3, C,4, Ring, Ring2, C,5, C,6, C,1, Ring, Ring1, (, x, C,7, Ring, Ring2, (, x, C,8, ), x, C,9, ), x, C,10
camphan loveracid root
C,1, Ring, Ring1, Ring, Ring2, O,2, C,3, (=O), x, C,4, (, x, C,5, C,6, Ring, Ring1, ), x, (, x, C,7, (, x, C,x, ) (, x, C,x, ), x, Ring, Ring2, ), x, C,x
norborne|norborn|norborna root root
C,1, Ring, Ring1, Ring, Ring2, C,2, C,3, C,4, (, x, C,5, C,6, Ring, Ring1, ), x, C,7, Ring, Ring2
norbornadien|norbornadiene|25norbornadien|25norbornadiene root root
C,1, Ring, Ring1, Ring, Ring2, C,2, =, x, C,3, C,4, (, x, C,5, =, x, C,6, Ring, Ring1, ), x, C,7, Ring, Ring2
norbornen|norbornene|2norbornen|2norbornene root root
C,1, Ring, Ring1, Ring, Ring2, C,2, =, x, C,3, C,4, (, x, C,5, C,6, Ring, Ring1, ), x, C,7, Ring, Ring2
5norbornen|5norbornene root root
C,1, Ring, Ring1, Ring, Ring2, C,2, C,3, C,4, (, x, C,5, =, x, C,6, Ring, Ring1, ), x, C,7, Ring, Ring2
camphene|camphen root root
C,1, Ring, Ring1, Ring, Ring2, C,2, (, x, C,x, ), x, (, x, C,x, ), x, C,3, (, x, =, x, C,x, ), x, C,4, (, x, C,5, C,6, Ring, Ring1, ), x, C,7, Ring, Ring2
phosgene|phosgen root root ClC(=O)Cl,x
triphosgene|triphosgen root root C(Cl)(Cl)(Cl)OC(=O)OC(Cl)(Cl)(Cl),x
glyoxyl root root C,1, C,2|w|omega, =, x, O, x
pyruv root root C,1, C,2, (=, x, O, x, ), x, C,3|w|omega
glycerol|snglycerol|racglycerol pseudosugar unknown x,x
glycerol|snglycerol|snglycero|racglycerol|racglycero|glycero|glycerine root root
O,1@1|a|alpha,C,x,C,x, (, x, O,1@2|b|beta, ), x, C,x,O,1@3|g|gamma
glycerin root root O,1@1|a|alpha,C,x,C,x, (, x, O,1@2|b|beta, ), x, C,x,O,1@3|g|gamma
glycerone|glyceron root root O,1@1|a|alpha,C,x,C,x, (=O), x, C,x,O,1@3|g|gamma
in|anoin glycerin root
O,1@1|a|alpha,C,x,C,x, (, x, O,1@2|b|beta, ), x, C,x,O,1@3|g|gamma|a'|alpha'
gerani|geran root root
C,1, /, x, C,2, =, x, C,3, (, x, C,x, ), x, /, x, C,4, C,5, C,6, =, x, C,7, (, x, C,x, ), x, C,8
tetrahydrogerani|geran root root
C,1, C,2, C,3, (, x, C,x, ), x, C,4, C,5, C,6, C,7, (, x, C,x, ), x, C,8
ner root root
C,1, /, x, C,2, =, x, C,3, (, x, C,x, ), x, \, x, C,4, C,5, C,6, =, x, C,7, (, x, C,x, ), x, C,8
phyt root root
C,x,C,x,C,x, (, x, C,x, ), x, C,x,C,x,C,x,C,x, (, x, C,x, ), x, C,x,C,x,C,x,C,x, (, x, C,x, ), x, C,x,C,x,C,x,C,x, (, x, C,x, ), x, C,x
citral root root
O,x, =, x, C,x,C,x, =, x, C,x, (, x, C,x, ), x, C,x,C,x,C,x, =, x, C,x, (, x, C,x, ), x, C,x
ethylcitral root root
O,x, =, x, C,x,C,x, =, x, C,x, (, x, C,x, ), x, C,x,C,x,C,x, =, x, C,x, (, x, C,x, ), x, C,x,C,x
citronell|betacitronell|baran root root CCC(C)CCC=C(C)C,x
linalo root root C(CCC=C(C)C)(C=C)C,x
dihydrolinalo root root C(CCC=C(C)C)(CC)C,x
tetrahydrolinalo root root C(CCCC(C)C)(CC)C,x
lavandul root root CC(C(=C)C)CC=C(C)C,x
tetrahydrolavandul root root CC(C(C)C)CCC(C)C,x

```

farnes root root
C,1,C,2,=,x,C,3,(C),x,C,4,C,5,C,6,=,x,C,7,(C),x,C,8,C,9,C,10,=,x,C,11,(C)C,x
ocimene root root C,1,=,x,C,2,C,3,(C)=,x,C,4,C,5,C,6,=,x,C,7,(C),x,C,8
alloocimene|allocimen root root
C,1,C,2,(C)=,x,C,3,C,4,=,x,C,5,(C),x,C,6,=,x,C,7,C,8
nerolid root root C(C)(C=C)CCC=C(C)CCC=C(C)C,x
all root root C,1|a|alpha,C,2|b|beta,=,x,C,3|g|gamma
isoall root root C,1|a|alpha,=,x,C,2|b|beta,C,3|g|gamma
homoall root root C,1|a|alpha,C,2|b|beta,C,3|g|gamma,=,x,C,4|d|delta
methall root root C,1,C,2,(x,C,x),x,=,x,C,3
triazeno root root N,4@1,=,x,N,2,N,3
vin root root C,1|a|alpha,=,x,C,2|b|beta
hydrazine|hydrazin root root N,1|n,N,2|n'
dithioiminocarbonate root root S,1@s,C,x,(=,x,N,n),x,S,1@s'
urea|carbamide|carbamid root root N,1|n,C,2,(x,=,x,O,o),x,N,3|n'
sulfocarbamide|sulfocarbamid|sulfoarea root root
N,1|n,C,2,(x,=,x,S,s),x,N,3|n'
biurea root root N,1,C,2,(=O),x,N,3,N,4,C,5,(=O),x,N,6
guanyl root root C,4@x,(=N),x,N,x
uronium root root N,1|n,C,2,(x,N,3|n'),x,=,x,[O+],o
ureido root root N,4@1|n,C,2,(x,=,x,O,o),x,N,3|n'
ureylene|ureylen root bridge N,4@1|n,C,2,(x,=,x,O,o),x,N,4@3|n'
carbanilide|carbanilid root root
c,6,ring,ring1,c,5,c,4,c,3,c,2,c,1,ring,ring1,N,n,C,x,(x,=,x,O,o),x,N,n',c,1',
ring,ring2,c,2',c,3',c,4',c,5',c,6',ring,ring2
tms root root [Si],4@x,(C)(C)(C),x
tbds root root [Si],4@x,(C(C)(C)C)(C)(C),x
plumb root root [Pb],1
sil root root [Si],x
stann root root [Sn],x
bor root root [B],x
germ root root [Ge],x
amine|amin|ammonia root root N,n
phosphine|phosphin root root P,x
arsine|arsin root root [As],x
hydrogen root root [H],4@x
deuterium root root [2H],4@x
tritium root root [3H],4@x
hydrido root root [H-],4@x
deuterido root root [2H-],4@x
lithio root root [Li],4@x
sodio root root [Na],4@x
potassio|kalio root root [K],4@x
fluoro|fluor root root F,4@x
chloro|chlor root root Cl,4@x
chlorosyl root root Cl,4@x,=O,x
chloryl root root Cl,4@x,(=O)=O,x
perchloryl root root Cl,4@x,(=O)(=O)=O,x
borono root root [B],4@x,(O)O,x
lithium root metal [Li],x
sodium|natrium root metal [Na],x
potassium|kalium root metal [K],x
rubidium root metal [Rb],x
cesium root metal [Cs],x
francium root metal [Fr],x
beryllium|glucinium root metal [Be],x
magnesium root metal [Mg],x

[illegible]

Variable	Mean	SD	Min	Max	Median	Q1	Q3	Mode	Skewness	Kurtosis	Normality
Age	35.2	12.5	18	65	32	28	38	35	0.15	2.8	0.95
Gender	1.2	0.4	1	2	1	1	1	1	0.05	1.2	0.98
Education	12.5	2.1	9	16	12	11	13	12	0.10	3.2	0.92
Income	2500	800	1000	4500	2200	1800	2800	2500	0.20	4.5	0.88
Marital Status	1.5	0.5	1	2	1	1	1	1	0.05	1.2	0.98
Occupation	2.5	1.2	1	4	2	1	3	2	0.10	3.2	0.92
Health Status	1.8	0.6	1	2	1	1	1	1	0.05	1.2	0.98
Stress Level	3.2	1.5	1	5	3	2	4	3	0.15	2.8	0.95
Life Satisfaction	4.5	1.2	3	6	4	4	5	4	0.10	3.2	0.92
Work-Life Balance	3.8	1.0	2	5	3	3	4	3	0.10	3.2	0.92
Family Support	4.2	1.1	3	5	4	4	5	4	0.10	3.2	0.92
Community Involvement	2.8	1.3	1	5	2	2	3	2	0.15	2.8	0.95
Personal Growth	3.5	1.4	2	5	3	3	4	3	0.10	3.2	0.92
Overall Well-being	4.0	1.1	3	5	4	4	5	4	0.10	3.2	0.92

Detailed description of Figure 6: This figure displays eight horizontal gel electrophoresis panels, labeled A through H from top to bottom. Each panel shows multiple lanes containing DNA bands. Panel A (top) has four lanes with prominent bands at approximately 0.8 kb, 1.2 kb, and 1.8 kb. Panel B has three lanes with bands around 0.7 kb, 1.1 kb, and 1.6 kb. Panel C has two lanes with bands around 0.9 kb, 1.3 kb, and 1.7 kb. Panel D has one lane with bands around 1.0 kb, 1.4 kb, and 1.9 kb. Panel E has two lanes with bands around 1.1 kb, 1.5 kb, and 2.0 kb. Panel F has three lanes with bands around 1.2 kb, 1.6 kb, and 2.1 kb. Panel G has four lanes with bands around 1.3 kb, 1.7 kb, and 2.2 kb. Panel H (bottom) has five lanes with bands around 1.4 kb, 1.8 kb, and 2.3 kb. The bands become progressively more numerous and complex from A to H.

homoprotocatechu root root
C,a|alpha,C,b|beta,c,1, Ring, Ring1, c, 2|o|ortho, c, 3|m|meta, (,x,O,x,), x, c, 4|p|para, (,x,O,x,), x, c, 5, c, 6, Ring, Ring1
citrazin root root
C,a|alpha,c,1, Ring, Ring1, c, 2|o|ortho, c, 3|m|meta, (,x,O,x,), x, n, 4|p|para, c, 5, (,x,O,x,), x, c, 6, Ring, Ring1
gall root root
C,a|alpha,c,1, Ring, Ring1, c, 2|o|ortho, c, 3|m|meta, (,x,O,x,), x, c, 4|p|para, (,x,O,x,), x, c, 5, (,x,O,x,), x, c, 6, Ring, Ring1
gallacetophenone root root O=C(C)C1=C(O)C(O)=C(O)C=C1,x
toluene|toluol root root
C,a|alpha,c,1, Ring, Ring1, c, 2|o|ortho, c, 3|m|meta, c, 4|p|para, c, 5, =, x, c, 6, Ring, Ring1
1
cumene|cumen root root
C,x,C,a|alpha, (,x,C,x,), x, c, 1, Ring, Ring1, c, 2|o|ortho, c, 3|m|meta, c, 4|p|para, c, 5, c, 6, Ring, Ring1
aniline|anilin|aniline|analin root root
N,n,c,1, Ring, Ring1, c, 2|o|ortho, c, 3|m|meta, c, 4|p|para, c, 5, c, 6, Ring, Ring1
anilino|analino root root
N,4@n,c,1, Ring, Ring1, c, 2|o|ortho, c, 3|m|meta, c, 4|p|para, c, 5, c, 6, Ring, Ring1
gentis root root
C,x,c,1, Ring, Ring1, c, 2, (,x,O,o,), x, c, 3|m|meta, c, 4|p|para, c, 5, (,x,O,o',), x, c, 6, Ring, Ring1
homogentis root root
C,x,C,x,c,1, Ring, Ring1, c, 2, (,x,O,o,), x, c, 3|m|meta, c, 4|p|para, c, 5, (,x,O,o',), x, c, 6, Ring, Ring1
salicyl|salic root root
C,x,c,1, Ring, Ring1, c, 2, (,x,O,o,), x, c, 3|m|meta, c, 4|p|para, c, 5, c, 6, Ring, Ring1
salicylal root root
C,8@x,c,1, Ring, Ring1, c, 2, (,x,O,o,), x, c, 3|m|meta, c, 4|p|para, c, 5, c, 6, Ring, Ring1
anilot root root
C,x,c,1, Ring, Ring1, c, 2, (,x,O,o,), x, c, 3|m|meta, c, 4|p|para, c, 5, ([N+](=O)[O-]), x, c, 6, Ring, Ring1
alpharesorcy|aresorcy root root
C,x,c,1, Ring, Ring1, c, 2, c, 3|m|meta, (,x,O,x,), x, c, 4|p|para, c, 5, (,x,O,x,), x, c, 6, Ring, Ring1
betaresorcy|bresorcy root root
C,x,c,1, Ring, Ring1, c, 2, (,x,O,x,), x, c, 3|m|meta, c, 4|p|para, (,x,O,x,), x, c, 5, c, 6, Ring, Ring1
gammaresorcy|gresorcy root root
C,x,c,1, Ring, Ring1, c, 2, (,x,O,x,), x, c, 3|m|meta, c, 4|p|para, c, 5, c, 6, (,x,O,x,), x, Ring, Ring1
phenac root root
C,a|alpha,C,x, (,x,=,x,O,x,), x, c, x, Ring, Ring1, =, x, c, 2|o|ortho, c, 3|m|meta, c, 4|p|para, c, 5, c, 6, Ring, Ring1
trop root root
C,x,C,x, (,x,C,x,O,x,), x, c, 1, Ring, Ring1, c, 2|o|ortho, c, 3|m|meta, c, 4|p|para, c, 5, c, 6, Ring, Ring1
nortrop root root
C,x, (,x,C,x,O,x,), x, c, 1, Ring, Ring1, c, 2|o|ortho, c, 3|m|meta, c, 4|p|para, c, 5, c, 6, Ring, Ring1
hydratrop root root
C,x,C,x, (,x,C,x,), x, c, 1, Ring, Ring1, c, 2|o|ortho, c, 3|m|meta, c, 4|p|para, c, 5, c, 6, Ring, Ring1
homatrop root root CN1C2CCC1CC(OC(C(O)C3=CC=CC=C3)=O)C2,x
atrop root root OCC(C(OC3CC2CCC(C3)N2C)=O)c1cccc1,x

[illegible]

[illegible]

phenanthren|phenanthrene root root
c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, c,4b, Ring, Ring3, c,5, c,6, c,7, c,8, c,8a, Ring, Ring3, c,9, c,10, c,10a, Ring, Ring1, Ring, Ring2
phenanthr|phenanthro|phenanthra opfuser unknown
c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, c,4b, Ring, Ring3, c,5, c,6, c,7, c,8, c,8a, Ring, Ring3, c,9, c,10, c,10a, Ring, Ring1, Ring, Ring2
cyclopentadefphenanthren|cyclopentadefphenanthrene root root
c,1, Ring, Ring1, c,2, c,3, c,3a, Ring, Ring2, c,4, c,4a, Ring, Ring3, c,5, c,6, c,7, c,7a, Ring, Ring4, c,8, c,9, c,8a, Ring, Ring1, c,8b, Ring, Ring2, c,8c, Ring, Ring3, Ring, Ring4
bathophenanthroline root root
n,1, Ring, Ring1, c,2, c,3, c,4, (c4cccc4), x, c,4a, Ring, Ring2, c,5, c,6, c,6a, Ring, Ring3, c,7, (c5cccc5), x, c,8, c,9, n,10, c,10a, Ring, Ring3, c,10b, Ring, Ring1, Ring, Ring2
phenanthrone|phenanthron root root
c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, c,4b, Ring, Ring3, c,5, c,6, c,7, c,8, c,8a, Ring, Ring3, c,9, (=O), x, c,10, c,10a, Ring, Ring1, Ring, Ring2
phenanthrene-quinone|phenanthrene-quinon root root
c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, c,4b, Ring, Ring3, c,5, c,6, c,7, c,8, c,8a, Ring, Ring3, c,9, (=O), x, c,10, (=O), x, c,10a, Ring, Ring1, Ring, Ring2
cyclopentaaphenanthrene|cyclopentaaphenanthren root root
c,1, Ring, Ring1, c,2, c,3, c,4, c,5, Ring, Ring2, c,6, c,7, c,8, Ring, Ring3, c,14, Ring, Ring4, c,15, c,16, c,17, c,13, Ring, Ring4, c,12, c,11, c,9, Ring, Ring3, c,10, Ring, Ring2, Ring, Ring1
fluoranthene|fluoranth|fluoranthen root root
c,1, Ring, Ring1, c,2, c,3, c,3a, Ring, Ring2, c,4, c,5, c,6, c,6a, Ring, Ring3, c,6b, Ring, Ring4, c,7, c,8, c,9, c,10, c,10a, Ring, Ring4, c,10b, Ring, Ring1, c,10c, Ring, Ring2, Ring, Ring3
acephenanthrene|acephenanthren root root
c,1, Ring, Ring1, c,2, c,3, c,3a, Ring, Ring2, c,4, c,5, c,5a, Ring, Ring3, c,6, c,6a, Ring, Ring4, c,7, c,8, c,9, c,10, c,10a, Ring, Ring4, c,10b, Ring, Ring1, c,10c, Ring, Ring2, Ring, Ring3
acephenanthrylene|acephenanthrylen root root
c,1, Ring, Ring1, c,2, c,3, c,3a, Ring, Ring2, c,4, c,5, c,5a, Ring, Ring3, c,6, c,6a, Ring, Ring4, c,7, c,8, c,9, c,10, c,10a, Ring, Ring4, c,10b, Ring, Ring1, c,10c, Ring, Ring2, Ring, Ring3
aceanthrene|aceanthren root root
C,1, Ring, Ring1, C,2, c,2a, Ring, Ring2, c,3, c,4, c,5, c,5a, Ring, Ring3, c,6, c,6a, Ring, Ring4, c,7, c,8, c,9, c,10, c,10a, Ring, Ring4, c,10b, Ring, Ring1, c,10c, Ring, Ring2, Ring, Ring3
aceanthrylene|aceanthrylen root root
c,1, Ring, Ring1, c,2, c,2a, Ring, Ring2, c,3, c,4, c,5, c,5a, Ring, Ring3, c,6, c,6a, Ring, Ring4, c,7, c,8, c,9, c,10, c,10a, Ring, Ring4, c,10b, Ring, Ring1, c,10c, Ring, Ring2, Ring, Ring3
violanthrene|violanthren root root
c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, c,5, c,5a, Ring, Ring3, c,6, c,7, c,7a, Ring, Ring4, c,7b, Ring, Ring5, c,8, c,9, c,9a, (, x, c,18f, Ring, Ring6, c,18e, Ring, Ring7, Ring, Ring5,) x, c,10, c,10a, Ring, Ring8, c,11, c,12, c,13, c,14, c,14a, Ring, Ring8, c,14b, Ring, Ring6, c,15, c,16, c,16a, Ring, Ring7, c,16b, Ring, Ring9, c,17, c,18, c,18a, (, x, c,18b, Ring, Ring1, Ring, Ring2,) x, c,18c, Ring, Ring3, c,18d, Ring, Ring4, Ring, Ring9
isoviolanthrene|isoviolanthren root root
c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, c,4b, Ring, Ring3, c,5, c,6, c,6a, (, x, c,18c, Ring, Ring4, c,18b, Ring, Ring5, Ring, Ring3,) x, c,6b, Ring, Ring6, c,7, c,8, c,8a, (, x, c,18e, Ring, Ring7, c,18d, Ring, Ring8, Ring, Ring6,) x, c,9, c,9a, Ring, Ring9, c,10, c,11, c,12, c,13, c,13a, Ring, Ring9, c,13b, Ring, Ring7, c,14, c,15, c,15a, Ring, Ring8, c,15b, Ring, Ring4, c,16, c,17, c,17a, Ring, Ring5, c,18, c,18a, Ring, Ring1, Ring, Ring2
triphenylene|triphenylen root root
c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, c,4b, Ring, Ring3, c,5, c,6, c,7, c,8, c,8a,

Variable	Mean	SD	Min	Max	Median	Mode	Skewness	Kurtosis	Shapiro-Wilk	Normality
Age	35.2	12.5	18	65	32	30	0.15	2.10	0.98	Normal
Gender	1.2	0.4	1	2	1	1	0.05	0.10	0.99	Normal
Marital Status	2.1	0.8	1	3	2	2	0.10	0.50	0.99	Normal
Education	12.5	2.1	9	16	12	12	0.10	0.50	0.99	Normal
Income	1500	500	500	3000	1200	1000	0.15	2.10	0.98	Normal
Occupation	1.5	0.5	1	3	1	1	0.05	0.10	0.99	Normal
Health Status	2.5	0.5	1	3	2	2	0.10	0.50	0.99	Normal
Stress Level	3.5	1.0	1	5	3	3	0.15	2.10	0.98	Normal
Life Satisfaction	4.0	0.8	1	5	4	4	0.10	0.50	0.99	Normal
Resilience	3.0	0.7	1	4	3	3	0.10	0.50	0.99	Normal
Emotional Stability	3.5	0.6	1	4	3	3	0.10	0.50	0.99	Normal
Self-Esteem	3.0	0.5	1	4	3	3	0.10	0.50	0.99	Normal
Life Satisfaction	4.0	0.8	1	5	4	4	0.10	0.50	0.99	Normal
Resilience	3.0	0.7	1	4	3	3	0.10	0.50	0.99	Normal
Emotional Stability	3.5	0.6	1	4	3	3	0.10	0.50	0.99	Normal
Self-Esteem	3.0	0.5	1	4	3	3	0.10	0.50	0.99	Normal

[illegible]

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umbelliferone root root
c,2, Ring, Ring1, (=O), x, c, 3, c, 4, c, 4a, Ring, Ring2, c, 5, c, 6, c, 7, (O), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1
umbelliferoyl root root
c,2, Ring, Ring1, (=O), x, c, 3, c, 4, c, 4a, Ring, Ring2, c, 5, c, 6, c, 4@7, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1
isochromane|isochroman root root
C, 1, Ring, Ring1, O, 2, C, 3, C, 4, c, 4a, Ring, Ring2, c, 5, c, 6, c, 7, c, 8, c, 8a, Ring, Ring1, Ring, Ring2
flav root root C, 2|a-t, (, x, Ring, Ring1, C, 3|a-b, C, 4|a-
1, c, 4a, Ring, Ring2, c, 5, c, 6, c, 7, c, 8, c, 8a, Ring, Ring2, O, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', c, 4', c, 5', c, 6', Ring, Ring3
flavone|flavon root root c, 2|a-t, (, x, Ring, Ring1, c, 3|a-b, c, 4|a-
1, (=O), x, c, 4a, Ring, Ring2, c, 5, c, 6, c, 7, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', c, 4', c, 5', c, 6', Ring, Ring3
acacetin root root c, 2|a-t, (, x, Ring, Ring1, c, 3|a-b, c, 4|a-
1, (=O), x, c, 4a, Ring, Ring2, c, 5, (O), x, c, 6, c, 7, (O), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', c, 4', (OC), x, c, 5', c, 6', Ring, Ring3
alpinetin root root c, 2|a-t, (, x, Ring, Ring1, c, 3|a-b, c, 4|a-
1, (=O), x, c, 4a, Ring, Ring2, c, 5, (OC), x, c, 6, c, 7, (O), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', c, 4', c, 5', c, 6', Ring, Ring3
apigenin root root c, 2|a-t, (, x, Ring, Ring1, c, 3|a-b, c, 4|a-
1, (=O), x, c, 4a, Ring, Ring2, c, 5, (O), x, c, 6, c, 7, (O), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', c, 4', (O), x, c, 5', c, 6', Ring, Ring3
baicalein root root c, 2|a-t, (, x, Ring, Ring1, c, 3|a-b, c, 4|a-
1, (=O), x, c, 4a, Ring, Ring2, c, 5, (O), x, c, 6, (O), x, c, 7, (O), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', c, 4', c, 5', c, 6', Ring, Ring3
catechin root root C, 2|a-t, (, x, Ring, Ring1, C, 3|a-b, (O), x, C, 4|a-
1, c, 4a, Ring, Ring2, c, 5, (O), x, c, 6, c, 7, (O), x, c, 8, c, 8a, Ring, Ring2, O, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', (O), x, c, 4', (O), x, c, 5', c, 6', Ring, Ring3
chrysin root root c, 2|a-t, (, x, Ring, Ring1, c, 3|a-b, c, 4|a-
1, (=O), x, c, 4a, Ring, Ring2, c, 5, (O), x, c, 6, c, 7, (O), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', (OC), x, c, 4', (O), x, c, 5', (OC), x, c, 6', Ring, Ring3
cirsiol root root c, 2|a-t, (, x, Ring, Ring1, c, 3|a-b, c, 4|a-
1, (=O), x, c, 4a, Ring, Ring2, c, 5, (O), x, c, 6, (OC), x, c, 7, (OC), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', (O), x, c, 4', (O), x, c, 5', c, 6', Ring, Ring3
diosmetin root root c, 2|a-t, (, x, Ring, Ring1, c, 3|a-b, c, 4|a-
1, (=O), x, c, 4a, Ring, Ring2, c, 5, (O), x, c, 6, c, 7, (O), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', (O), x, c, 4', (OC), x, c, 5', c, 6', Ring, Ring3
epicatechin root root C, 2|a-t, (, x, Ring, Ring1, C, 3|a-b, (O), x, C, 4|a-
1, c, 4a, Ring, Ring2, c, 5, (O), x, c, 6, c, 7, (O), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', (O), x, c, 4', (O), x, c, 5', c, 6', Ring, Ring3
eupatorin root root c, 2|a-t, (, x, Ring, Ring1, c, 3|a-b, c, 4|a-
1, (=O), x, c, 4a, Ring, Ring2, c, 5, (O), x, c, 6, (OC), x, c, 7, (OC), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', (O), x, c, 4', (OC), x, c, 5', c, 6', Ring, Ring3
galangin root root c, 2|a-t, (, x, Ring, Ring1, c, 3|a-b, (O), x, c, 4|a-
1, (=O), x, c, 4a, Ring, Ring2, c, 5, (O), x, c, 6, c, 7, (O), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', c, 4', c, 5', c, 6', Ring, Ring3
genkwanin root root c, 2|a-t, (, x, Ring, Ring1, c, 3|a-b, c, 4|a-
1, (=O), x, c, 4a, Ring, Ring2, c, 5, (O), x, c, 6, c, 7, (OC), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', c, 4', (O), x, c, 5', c, 6', Ring, Ring3
hesperitin root root c, 2|a-t, (, x, Ring, Ring1, c, 3|a-b, c, 4|a-
1, (=O), x, c, 4a, Ring, Ring2, c, 5, (O), x, c, 6, c, 7, (O), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', (O), x, c, 4', (OC), x, c, 5', c, 6', Ring, Ring3
kaempferide|kaempferol root root c, 2|a-t, (, x, Ring, Ring1, c, 3|a-b, (O), x, c, 4|a-
1, (=O), x, c, 4a, Ring, Ring2, c, 5, (O), x, c, 6, c, 7, (O), x, c, 8, c, 8a, Ring, Ring2, o, 1, Ring, Ring1, ), x, c, 1', Ring, Ring3, c, 2', c, 3', c, 4', (O), x, c, 5', c, 6', Ring, Ring3

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[illegible]

[illegible]

phenothiasilin root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, s,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, [Si], 10, c,10a, Ring, Ring2, Ring, Ring1
 phenothiagermanin root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, s,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, [Ge], 10, c,10a, Ring, Ring2, Ring, Ring1
 phenaz root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, n,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, n,10, c,10a, Ring, Ring2, Ring, Ring1
 phenazasilin|phenazasilin root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, N,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, [Si], 10, c,10a, Ring, Ring2, Ring, Ring1
 phenarsaz|phenoarsaz root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, n,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, [as], 10, c,10a, Ring, Ring2, Ring, Ring1
 phenothiaz|thiodiphenylamine root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, s,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, n,10, c,10a, Ring, Ring2, Ring, Ring1
 phenomercaz root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, N,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, [Hg], 10, c,10a, Ring, Ring2, Ring, Ring1
 phenophosphaz root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, n,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, p,10, c,10a, Ring, Ring2, Ring, Ring1
 phenotelluraz root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, [Te], 5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,
 9, c,9a, Ring, Ring3, N,10, c,10a, Ring, Ring2, Ring, Ring1
 phenoselenaz root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, [Se], 5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,
 9, c,9a, Ring, Ring3, N,10, c,10a, Ring, Ring2, Ring, Ring1
 phenothiars root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, s,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, [as], 10, c,10a, Ring, Ring2, Ring, Ring1
 phenoxantimon root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, O,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, [Sb], 10, c,10a, Ring, Ring2, Ring, Ring1
 phenoxars root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, o,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, [as], 10, c,10a, Ring, Ring2, Ring, Ring1
 phenoxaphos root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, O,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, P,10, c,10a, Ring, Ring2, Ring, Ring1
 phenoxatellur root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, O,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, [Te], 10, c,10a, Ring, Ring2, Ring, Ring1
 phenoxaselen root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, O,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, [Se], 10, c,10a, Ring, Ring2, Ring, Ring1
 dibenzodioxin root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, o,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, o,10, c,10a, Ring, Ring2, Ring, Ring1
 phenoxaz|phenazox root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,4a, Ring, Ring2, o,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,9, c
 ,9a, Ring, Ring3, n,10, c,10a, Ring, Ring2, Ring, Ring1
 indene|inden root root
 c,1, Ring, Ring1, c,2, c,3, c,3a, Ring, Ring2, c,4, c,5, c,6, c,7, c,7a, Ring, Ring1, Ring, Ring
 2

indazole|indazol root root
n,1, Ring, Ring1, n,2, c,3, c,3a, Ring, Ring2, c,4, c,5, c,6, c,7, c,7a, Ring, Ring1, Ring, Ring2
indazolo|indazol opfuser unknown
n,1, Ring, Ring1, n,2, c,3, c,3a, Ring, Ring2, c,4, c,5, c,6, c,7, c,7a, Ring, Ring1, Ring, Ring2
indolizine|indolizin|pyrrocol root root
c,1, Ring, Ring1, c,2, c,3, n,4, Ring, Ring2, c,5, c,6, c,7, c,8, c,8a, Ring, Ring1, Ring, Ring2
indolizino opfuser unknown
c,1, Ring, Ring1, c,2, c,3, n,4, Ring, Ring2, c,5, c,6, c,7, c,8, c,8a, Ring, Ring1, Ring, Ring2
oxindole|oxindol root root
N,1, Ring, Ring1, C,2, (=, x, O, x,) , x, C,3, c,3a, Ring, Ring2, c,4, c,5, c,6, c,7, c,7a, Ring, Ring1, Ring, Ring2
indoline|indolin root root
N,1, Ring, Ring1, C,2, C,3, c,3a, Ring, Ring2, c,4, c,5, c,6, c,7, c,7a, Ring, Ring1, Ring, Ring2
isat root root
N,1, Ring, Ring1, C,2|alpha, (=O) , x, C,3|beta, (=O) , x, c,3a, Ring, Ring2, c,4, c,5, c,6, c,7, c,7a, Ring, Ring1, Ring, Ring2
isoindoline|isoindolin root root
C,1, Ring, Ring1, N,2, C,3, c,3a, Ring, Ring2, c,4, c,5, c,6, c,7, c,7a, Ring, Ring1, Ring, Ring2
indane|indan|hydrindene|hydrind root root
C,1|a|alpha, Ring, Ring1, C,2|b|beta, C,3, c,3a, Ring, Ring2, c,4, c,5, c,6, c,7, c,7a, Ring, Ring1, Ring, Ring2
hydrindantin root root O=C(c2c1cccc2)C(C1=O)(O)C(C3=O)(O)C(c4c3cccc4)=O, x
alloxantin root root OC1(C2(C(NC(NC2=O)=O)=O)O)C(NC(NC1=O)=O)=O, x
ninhydrin root root
C,1, (=O) , x, Ring, Ring1, C,2, (=O) , x, C,3, (=O) , x, c,3a, Ring, Ring2, c,4, c,5, c,6, c,7, c,7a, Ring, Ring1, Ring, Ring2
tetral root root
C,1|a|alpha, Ring, Ring1, C,2|b|beta, C,3, C,4, c,4a, Ring, Ring2, c,5, c,6, c,7, c,8, c,8a, Ring, Ring1, Ring, Ring2
decal root root
C,1|a|alpha, Ring, Ring1, C,2|b|beta, C,3, C,4, C,10, Ring, Ring2, C,5, C,6, C,7, C,8, C,9, Ring, Ring1, Ring, Ring2
hexalin root root C,1, Ring, Ring1, C,2, C,3, C,4, C,5, C,6, Ring, Ring1
quinol|chinol|quinolin|chinolin|leucol root root
n,1, Ring, Ring1, c,2|b|beta, c,3, c,4, c,4a, Ring, Ring2, c,5, c,6, c,7, c,8, c,8a, Ring, Ring1, Ring, Ring2
quinolin|chinolin opfuser unknown
n,1, Ring, Ring1, c,2|b|beta, c,3, c,4, c,4a, Ring, Ring2, c,5, c,6, c,7, c,8, c,8a, Ring, Ring1, Ring, Ring2
carbostyryl|carbostyryl root root
n,1, Ring, Ring1, c,2|b|beta, (O) , x, c,3, c,4, c,4a, Ring, Ring2, c,5, c,6, c,7, c,8, c,8a, Ring, Ring1, Ring, Ring2
isocarbostyryl|isocarbostyryl root root
c,1, (O) , x, Ring, Ring1, n,2|b|beta, c,3, c,4, c,4a, Ring, Ring2, c,5, c,6, c,7, c,8, c,8a, Ring, Ring1, Ring, Ring2
lepid root root
n,1, Ring, Ring1, c,2|b|beta, c,3, c,4, (C) , x, c,4a, Ring, Ring2, c,5, c,6, c,7, c,8, c,8a, Ring, Ring1, Ring, Ring2
cinchonin loveracid root
c,4, Ring, Ring1, c,3, c,2, n,1, c,8a, Ring, Ring2, c,8, c,7, c,6, c,5, c,4a, Ring, Ring1, Ring, Ring2

[illegible]

Variable	Mean	SD	Min	Max	Median	Q1	Q3	Mode	Skewness	Kurtosis	Shapiro-Wilk	Normality
Age	35.2	12.5	18	65	32	28	38	35	0.15	2.1	0.98	Normal
Gender	1.2	0.4	1	2	1	1	1	1	0.05	0.5	0.95	Normal
Marital Status	2.1	0.8	1	3	2	1.5	2.5	2	0.12	1.8	0.97	Normal
Education	14.5	2.1	8	20	15	13	17	14	0.18	2.2	0.96	Normal
Income	1200	300	500	2500	1100	800	1400	1000	0.22	2.5	0.94	Normal
Occupation	1.5	0.5	1	3	1.5	1	2	1.5	0.08	0.6	0.96	Normal
Health Status	2.5	0.6	1	3	2.5	2	3	2.5	0.05	0.4	0.98	Normal
Stress Level	3.2	1.1	1	5	3	2.5	3.5	3	0.15	2.0	0.97	Normal
Life Satisfaction	4.1	0.9	3	5	4	3.8	4.3	4	0.08	0.5	0.98	Normal
Resilience	3.8	1.0	2	5	3.5	3	4.2	3.5	0.18	2.1	0.95	Normal
Emotional Stability	4.5	0.8	3	5	4.5	4.2	4.8	4.5	0.05	0.4	0.98	Normal
Self-Esteem	4.2	0.9	3	5	4.2	4.0	4.4	4.2	0.08	0.5	0.97	Normal
Life Purpose	3.9	1.0	2	5	3.8	3.5	4.1	3.8	0.15	2.0	0.96	Normal
Meaning in Life	4.3	0.8	3	5	4.3	4.1	4.5	4.3	0.05	0.4	0.98	Normal
Optimism	4.0	0.9	3	5	4.0	3.8	4.2	4.0	0.08	0.5	0.97	Normal
Gratitude	4.4	0.7	3	5	4.4	4.2	4.6	4.4	0.05	0.4	0.98	Normal
Forgiveness	4.1	0.8	3	5	4.1	3.9	4.3	4.1	0.08	0.5	0.97	Normal
Resilience	3.8	1.0	2	5	3.8	3.5	4.1	3.8	0.15	2.0	0.96	Normal
Emotional Stability	4.5	0.8	3	5	4.5	4.2	4.8	4.5	0.05	0.4	0.98	Normal
Self-Esteem	4.2	0.9	3	5	4.2	4.0	4.4	4.2	0.08	0.5	0.97	Normal
Life Purpose	3.9	1.0	2	5	3.8	3.5	4.1	3.8	0.15	2.0	0.96	Normal
Meaning in Life	4.3	0.8	3	5	4.3	4.1	4.5	4.3	0.05	0.4	0.98	Normal
Optimism	4.0	0.9	3	5	4.0	3.8	4.2	4.0	0.08	0.5	0.97	Normal
Gratitude	4.4	0.7	3	5	4.4	4.2	4.6	4.4	0.05	0.4	0.98	Normal
Forgiveness	4.1	0.8	3	5	4.1	3.9	4.3	4.1	0.08	0.5	0.97	Normal

heptalene|heptalen root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,5, c,5a, Ring, Ring2, c,6, c,7, c,8, c,9, c,10, c,10a, Ring, Ring1, Ring, Ring2
 asindacene|asindacen root root
 c,1, Ring, Ring1, c,2, c,3, c,3a, Ring, Ring2, c,4, c,5, c,5a, Ring, Ring3, c,6, c,7, c,8, c,8a, Ring, Ring3, c,8b, Ring, Ring2, Ring, Ring1
 sindacene|sindacen root root
 c,1, Ring, Ring1, c,2, c,3, c,3a, Ring, Ring2, c,4, c,4a, Ring, Ring3, c,5, c,6, c,7, c,7a, Ring, Ring3, c,8, c,8a, Ring, Ring2, Ring, Ring1
 octalene|octalen root root
 c,1, Ring, Ring1, c,2, c,3, c,4, c,5, c,6, c,6a, Ring, Ring2, c,7, c,8, c,9, c,10, c,11, c,12, c,12a, Ring, Ring1, Ring, Ring2
 mevalon root root C,1, C,2, C,3, (, x, C,4, C,5, O, x,) (, x, O, x,) , x, C, x
 lact|lactyl root root C,1, C,2 |alpha|a, (, x, O, x,) , x, C,3 |b|beta
 24d root root
 O,1@x, C, x, (=, x, O, x,) , x, C, a|alpha, O, x, c,1, Ring, Ring1, c,2, (, x, Cl, x,) , x, c,3, c,4, (, x, Cl, x,) , x, c,5, c,6, Ring, Ring1
 245t root root
 O,1@x, C, x, (=, x, O, x,) , x, C, a|alpha, O, x, c,1, Ring, Ring1, c,2, (, x, Cl, x,) , x, c,3, c,4, (, x, Cl, x,) , x, c,5, (, x, Cl, x,) , x, c,6, Ring, Ring1
 dnp|24dnp root root c,4@1, Ring, Ring1, c, x, ([N+] (=O) [O-]), x, c,3|m|meta, c, x, ([N+] (=O) [O-]), x, c,5, c,6, Ring, Ring1
 morphol root root C,2, Ring, Ring1, C,3, N,4, C,5, C,6, O,1, Ring, Ring1
 morpholino root root O,1, Ring, Ring1, C,2, C,3, N,4@4, C,5, C,6, Ring, Ring1
 semicarbazide|semicarbazid root root N,1, N,2, C, x, (=, x, O,3,) , x, N,4
 semicarbazido root root N,4@1, N,2, C, x, (=, x, O,3,) , x, N,4
 isosemicarbazide|isosemicarbazid root root N,1, N,2, C, x, (, x, O,3,) =, x, N,4
 isosemicarbazido root root N,4@1, N,2, C, x, (, x, O,3,) =, x, N,4
 semicarbazono root root N,8@1, N,2, C, x, (=, x, O,3,) , x, N,4
 carbaz root root C,1, N,2, N,3
 acetone|aceton root alkane C,1|a|alpha, C, x, (=O) , x, C,3 |w|omega
 acetylacetone root root C,1, C,2, (=, x, O, x,) , x, C,3, C,4, (=, x, O, x,) , x, C,5
 isobutyron|isobutyron root root CC(C)C(=O)C(C)C, x
 isovalerone|isovaleron root root CC(C)CC(=O)CC(C)C, x
 enanthone root alkane
 C,1, C,2 |a|alpha, C,3 |b|beta, C,4 |g|gamma, C,5 |d|delta, C,6 |e|epsilon, C,7, (=O) , x, C,8, C,9, C,10, C,11, C,12, C,13 |w|omega
 pelargone root alkane
 C,1, C,2 |a|alpha, C,3 |b|beta, C,4 |g|gamma, C,5 |d|delta, C,6 |e|epsilon, C,7, C,8, C,9, (=O) , x, C,10, C,11, C,12, C,13, C,14, C,15, C,16, C,17, C,18 |w|omega
 laurone root alkane
 C,1 |a|alpha, C,2, C,3, C,4, C,5, C,6, C,7, C,8, C,9, C,10, C,11, C, x, (=O) , x, C,13, C,14, C,15, C,16, C,17, C,18, C,19, C,20, C,21, C,22, C,23 |w|omega
 myristone root alkane
 C,1 |a|alpha, C,2, C,3, C,4, C,5, C,6, C,7, C,8, C,9, C,10, C,11, C,12, C,13, C, x, (=O) , x, C,15, C,16, C,17, C,18, C,19, C,20, C,21, C,22, C,23, C,24, C,25, C,26, C,27 |w|omega
 palmitone root alkane
 C,1 |a|alpha, C,2, C,3, C,4, C,5, C,6, C,7, C,8, C,9, C,10, C,11, C,12, C,13, C,14, C,15, C, x, (=O) , x, C,17, C,18, C,19, C,20, C,21, C,22, C,23, C,24, C,25, C,26, C,27, C,28, C,29, C,30, C,31 |w|omega
 stearone root alkane
 C,1 |a|alpha, C,2, C,3, C,4, C,5, C,6, C,7, C,8, C,9, C,10, C,11, C,12, C,13, C,14, C,15, C,16, C,17, C, x, (=O) , x, C,19, C,20, C,21, C,22, C,23, C,24, C,25, C,26, C,27, C,28, C,29, C,30, C,31, C,32, C,33, C,34, C,35 |w|omega
 silatrane|silatran root root
 [Si],1, Ring, Ring1, Ring, Ring2, O,2, C,3, C,4, N,5, (, x, C,6, C,7, O,8, Ring, Ring1,) , x, C,11, C,10, O,9, Ring, Ring2

[illegible]

[illegible]

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ra,c,5,c,6, Ring, Ring1, ) , x, c, 1', Ring, Ring2, c, 2' | o' | ortho', c, 3' | m' | meta', c, 4' | p' | p
ara', c, 5', c, 6', Ring, Ring2
stilbestrol|stilboestrol root root
C, b|beta, (=, x, C, a|alpha, c, 1, Ring, Ring1, c, 2, c, 3, c, 4, (O), x, c, 5, c, 6, Ring, Ring1, ) , x,
c, 1', Ring, Ring2, c, 2', c, 3', c, 4', (O), x, c, 5', c, 6', Ring, Ring2
hexestrol root root
C, b|beta, (CC) (, x, C, a|alpha, (CC), x, c, 1, Ring, Ring1, c, 2, c, 3, c, 4, (O), x, c, 5, c, 6, Ring,
Ring1, ) , x, c, 1', Ring, Ring2, c, 2', c, 3', c, 4', (O), x, c, 5', c, 6', Ring, Ring2
benzil root root
C(=O), x, (, x, C(=O), x, c, 1, Ring, Ring1, c, 2, c, 3, c, 4, c, 5, c, 6, Ring, Ring1, ) , x, c, 1', Ring,
Ring2, c, 2', c, 3', c, 4', c, 5', c, 6', Ring, Ring2
antipyr|antipylene|phenazone root root
C, 4, Ring, Ring1, C, 5, (=O), x, N, 1, (, x, N, 2, (, x, C, x, ) , x, C, 3, (, x, C, x, ) , x, =, x, Ring, Ring1
, ) , x, c, 1', Ring, Ring2, c, 2', c, 3', c, 4', c, 5', c, 6', Ring, Ring2
glycid root root C, 1, C, 2 | b|beta, Ring, Ring1, C, 3, O, x, Ring, Ring1
ketene|keten root root C=C=O, 1
diketene|diketen root root C=C1CC(=O)O1, x
adamant root root
C, 1, Ring, Ring1, Ring, Ring2, C, 2, C, 3, Ring, Ring3, C, 4, C, 5, (, x, C, 6, C, 7, (, x, C, 8, Ring, Ri
ng1, ) , x, C, 10, Ring, Ring3, ) , x, C, 9, Ring, Ring2
noradamant root root
C, 1, Ring, Ring1, Ring, Ring2, C, 2, C, 3, Ring, Ring3, C, 4, C, 5, (, x, C, 6, C, 7, (, x, C, 8, Ring, Ri
ng1, ) , x, Ring, Ring3, ) , x, C, 9, Ring, Ring2
hexamethylenetetramine|hexamethylenetetramin root root
N, 1, Ring, Ring1, Ring, Ring2, C, 2, N, 3, Ring, Ring3, C, 4, N, 5, (, x, C, 6, N, 7, (, x, C, 8, Ring, Ri
ng1, ) , x, C, 10, Ring, Ring3, ) , x, C, 9, Ring, Ring2
pentamethylenetetramine|pentamethylenetetramin root root N12CNCN(CNC1)C2, x
fulvalene|fulvalen root root
c, 2, Ring, Ring1, (, x, c, 3, c, 4, c, 5, c, 1, Ring, Ring1, ) =, x, c, 2', Ring, Ring2, c, 3', c, 4', =, x
, c, 5', c, 1', Ring, Ring2
tetrathiafulvalene|tetrathiafulvalen root root
C, 2, Ring, Ring1, (, x, S, 3, C, 4, =, x, C, 5, S, 1, Ring, Ring1, ) =, x, C, 2', Ring, Ring2, S, 3', C, 4'
, =, x, C, 5', S, 1', Ring, Ring2
tetraselenafulvalene|tetrathiafulvalen root root
C, 2, Ring, Ring1, (, x, [Se], 3, C, 4, =, x, C, 5, [Se], 1, Ring, Ring1, ) =, x, C, 2', Ring, Ring2, [Se
], 3', C, 4', =, x, C, 5', [Se], 1', Ring, Ring2
labd root natural
C, 1, Ring, Ring1, C, 2, C, 3, [C@@], 4, (, x, C, 18, ) , x, (, x, C, 19, ) , x, [C@@], 5, ([H]), x, Ring, Ri
ng2, C, 6, C, 7, [C@], 8 | a-r, (, x, C, 17, ) , x, [C@@], 9 | a-
b, (, x, [C@], 10, Ring, Ring2, Ring, Ring1, C, 20, ) , x, C, 11 | a-
t, C, 12, [C@], 13, (, x, C, 16, ) , x, C, 14, C, 15
ambros root natural C, 2, Ring, Ring1, C, 3, C, 4, [C@@], 5 | a-
b, Ring, Ring2, (, x, C, 15, ) , x, C, 6 | a-
r, [C@], 7, (, x, C, 11, (, x, C, 12, ) , x, C, 13, ) , x, C, 8, C, 9, [C@], 10, (, x, C, 14, ) , x, [C@@], 1 | a-
t, ([H]), x, Ring, Ring2, Ring, Ring1
cedr root natural [C@@], 2, Ring, Ring1, (, x, C, 12, ) , x, C, 3, C, 4, [C@], 5 | a-
b, ([H]), x, Ring, Ring2, [C@@], 6 | a-
r, (, x, C, 13, ) , x, (, x, C, 14, ) , x, [C@], 7, (, x, C, 11, Ring, Ring3, ) , x, [C@], 8, (, x, C, 15, ) , x, C
, 9, C, 10, [C@@], 1 | a-t, Ring, Ring1, Ring, Ring2, Ring, Ring3
cedrol root natural OC1(C)C3CC2(C(C3(C)C)CCC2C)CC1, x
apotrithothec root natural
O, 1, Ring, Ring1, [C@], 12, Ring, Ring2, (, x, C, 13, ) , x, C, 2, C, 3, C, 4, [C@@], 5 | a-
r, (, x, C, 14, ) , x, Ring, Ring2, [C@], 6 | a-
b, (, x, C, 15, ) , x, Ring, Ring3, C, 7, C, 8, C, 9, (, x, C, 16, ) , x, C, 10, [C@], 11 | a-
t, ([H]), x, Ring, Ring3, Ring, Ring1

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germacr root natural
C,1, Ring, Ring1, C, 2, C, 3, [C@], 4, (, x, C, 15,), x, C, 5, C, 6, [C@], 7, (, x, C, 11, (, x, C, 12,), x, C, 13,), x, C, 8, C, 9, [C@@], 10, (, x, C, 14,), x, Ring, Ring1
podocarpa|podocarp root steroid
C,1, Ring, Ring1, C, 2, C, 3, [C@@], 4, (, x, C, 15|18,), x, (, x, C, 16|19,), x, C, 5, Ring, Ring2, C, 6, C, 7, C, 8, Ring, Ring3, C, 14, C, 13, C, 12, C, 11, C, 9, Ring, Ring3, [C@@], 10, (, x, C, 17,), x, Ring, Ring1, Ring, Ring2
palustr root natural
C, x, Ring, Ring4, ., x, CC(C)C(CC3)=CC2=C3[C@]1(C)C(CC2)[C@@], x, Ring, Ring4, (C)CCC1, x
gedun root natural
C,1, Ring, Ring1, C, 2, C, 3, C, 4, (, x, C, 30,), x, (, x, C, 31,), x, C, 5, Ring, Ring2, C, 6, C, 7, C, 8, Ring, Ring3, (, x, C, x,), x, C, 14, Ring, Ring4, C, 15, C, 16, O, x, C, 17, (, x, C, 20, Ring, Ring5, C, x, O, x, C, 23, C, 22, Ring, Ring5,), x, C, 13, Ring, Ring4, (, x, C, 18,), x, C, 12, C, 11, C, 9, Ring, Ring3, C, 10, (, x, C, 19,), x, Ring, Ring2, Ring, Ring1
eudesm root natural
C,1, Ring, Ring1, C, 2, C, 3, [C@], 4, (C), x, [C@@], 5, ([H]), x, Ring, Ring2, C, 6, [C@], 7|a-r, (, x, C, 11, (C), x, C, x,), x, C, 8|a-b, C, 9|a-t, [C@], 10, (C), x, Ring, Ring2, Ring, Ring1
trichotheca|trichothec root natural C,3, Ring, Ring1, C, 4, [C@@], 5|a-r, (, x, C, 14,), x, Ring, Ring2, [C@], 6|a-b, (, x, C, 15,), x, Ring, Ring3, C, 7, C, 8, [C@], 9, (, x, C, 10, [C@], 11|a-t, ([H]), x, Ring, Ring3, O, 1, [C@], 2, Ring, Ring1, [C@], 12, Ring, Ring2, C, 13,), x, C, 16
scirpenol root natural [C@], 3, (O), x, Ring, Ring1, C, 4, [C@@], 5|a-r, (, x, C, 14,), x, Ring, Ring2, [C@], 6|a-b, (, x, C, 15,), x, Ring, Ring3, C, 7, C, 8, C, 9, (=, x, C, 10, [C@], 11, ([H]), x, Ring, Ring3, O, 1, [C@], 2, Ring, Ring1, [C@@], 12, Ring, Ring2, (, x, O, x, Ring, Ring4,), x, C, 13, Ring, Ring4,), x, C, 16
prosta|prost root natural C,1, C, 2, C, 3, C, 4, C, 5, C, 6, C, 7, [C@@H], 8|a-t, (, x, C, 9, C, 10, C, 11, Ring, Ring1,), x, [C@H], 12|a-b, Ring, Ring1, C, 13|a-r, C, 14, C, 15, C, 16, C, 17, C, 18, C, 19, C, 20
phorbol root natural O, x, [C@@], 13, 1(, x, [C@@H], 12, 2O) [C@H] ([C@@] (C=C, a-t, Ring, Ring3, CO) ([H]) [C@@] (O) ([C@@] (C=C(C)C4=O) ([H]), x, [C@], 4|a-b, 4(O)C, a-r, 3) [C@@H]2C) [C@@]1(C)C, x
tigli|tiglia root natural
C,13, Ring, Ring1, (, x, C, 12, Ring, Ring2,), x, [C@H], x, (, x, [C@@], 8, (, x, C, 7, =, x, C, 6|a-t, Ring, Ring3, C, 20,), x, ([H]), x, C, 9, (, x, [C@@], 10, (, x, C, 1, C, 2, (C), x, C, 3, Ring, Ring4,), x, ([H]), x, C, 4|a-b, Ring, Ring4, C, 5|a-r, Ring, Ring3,), x, [C@@H], x, Ring, Ring2, C, x,), x, [C@@], x, Ring, Ring1, (C), x, C, x
glutathionereduced root root
O=C(NCC(, x, O, 1@x,)=O)C(C, x, S, s,)NC(CCC(N)C(, x, O, 1@x,)=O)=O, x
glutathione root root
O=C(NCC(O)=O) [C@H] (CSSC[C@H] (NC(CC[C@H] (N)C(O)=O)=O)C(NCC(O)=O)=O)NC(CC[C@H] (N)C(O)=O)=O, x
sphingosin|sphingosine|dihydrosphingosin|dihydrosphingosine pseudosugar unknown
x, x
sphingosin|sphingosine root root
O, x, C, 1, C, 2, (, x, N, n,), x, C, 3, (O), x, C, 4, =, x, C, 5, C, 6, C, 7, C, 8, C, 9, C, 10, C, 11, C, 12, C, 13, C, 14, C, 15, C, 16, C, 17, C, 18
dihydrosphingosin|dihydrosphingosine root root
O, x, C, 1, C, 2, (, x, N, x,), x, C, 3, (O), x, C, 4, C, 5, C, 6, C, 7, C, 8, C, 9, C, 10, C, 11, C, 12, C, 13, C, 14, C, 15, C, 16, C, 17, C, 18
phenacetin root root CCOC1=CC=C(NC(C)=O)C=C1, x
xanthotoxin root root COC1=C(OC3=O)C(C=C3)=CC2=C1OC=C2, x
troxonium root root O=C(C1=CC(OC)=C(C(OC)=C1)OC)OCC[N+](CC)(CC)CC, x
triclopyr root root O, 1@x, C(=O)COC(N=C(C1)C(C1)=C1)=C1C1, x
thonzonium|tonzonium root root
COC1=CC=C(C=C1)CN(C2=NC=CC=N2)CC[N+](C)(C)CCCCCCCCCCCCCCCCC, x
tolonium root root NC1=CC2=C(N=C(C=C3)C(S2)=CC3=[N+](C)C)C=C1C, x

datelliptium root root
CC1=C4C(C=C[N+](CC[NH+](CC)CC)=C4)=C(C)C3=C1C2=C(N3)C=CC(O)=C2,x
demecarium root root
CN(C(OC2=CC=CC([N+](C)(C)C)=C2)=O)CCCCCCCCCN(C(OC1=CC=CC([N+](C)(C)C)=C1)=O)C,x
dibromantin root root CC(C(N1Br)=O)(N(Br)C1=O)C,x
digermin root root O=[N+](O-)[C1=CC(C(F)(F)F)=CC([N+](O-)=O)=C1N(CCC)CCC,x
diphenhydramine root root CN(C)CCOC(C2=CC=CC=C2)C1=CC=CC=C1,x
dithizone root root S=C(NNC2=CC=CC=C2)N=NC1=CC=CC=C1,x
dopamine root root
NCC,x,c,1, Ring, Ring1, c, 2, c, 3, (O), x, c, 4, (O), x, c, 5, c, 6, Ring, Ring1
etipirium root root C[N+](CCOC(C(C2=CC=CC=C2)(C3=CC=CC=C3)O)=O)CCCC1,x
fench root root
C, 2|a|alpha, Ring, Ring1, c, 3, (C)(C), x, c, 4, (x, c, 5, c, 6, c, 1, Ring, Ring2, (C), x, Ring, Ring1, x, c, 7, Ring, Ring2
feniodium root root ClC2=CC=C(C(C1)=C2)[I+]C1=CC=C(C=C1C1)C1,x
flutropium root root C[N+](C2CCC1CC(OC(C(C3=CC=CC=C3)(C4=CC=CC=C4)O)=O)C2)CCF,x
furazolium root root [O-][N+](C1=CC=C(C2=CSC3=[N+](2CCN3)O1)=O,x
halopenium root root CC(C1=CC(C1)=C(C=C1OCCC[N+](C)(CC2=CC=C(C=C2)Br)C)C)C,x
hexafluorenium root root
C[N+](C)(C2C1=C(C3=C2C=CC=C3)C=CC=C1)CCCCC[N+](C)(C6C4=C(C5=CC=CC=C56)C=CC=C4)C,x
hexocyclium root root C[N+](CCN(CC(C2CCCCC2)(C3=CC=CC=C3)O)CC1)C,x
ethidium|homidium root root
NC(C=C3)=CC2=C3C1=CC=C(N)C=C1C(C4=CC=CC=C4)=[N+](2CC,x
indenolol root root CC(NCC(COC2=C1C=CCC1=CC=C2)O)C,x
ionone|ionon|alphaionon|alphaionone root root O=C(C)C=CC1c(C)CCCC1(C)C,x
betaionone|betaionon root root O=C(C)C=CC1=C(C)CCCC1(C)C,x
isometamidium root root
CC[N+](4=C(C2=C(C5=CC=C(C=C45)N)C=CC(NN=NC3=CC=CC(C(N)=N)=C3)=C2)C1=CC=CC=C1,x
isophor root root C, 1, Ring, Ring1, c, 2, c, 3, (C), x, c, 4, c, 5, (C)(C), x, c, 6, Ring, Ring1
isophorone root root
O=x, c, 1, Ring, Ring1, c, 2, =, x, c, 3, (C), x, c, 4, c, 5, (C)(C), x, c, 6, Ring, Ring1
lapirium root root O=C(NCCOC(CCCCCCCCCC)=O)C[N+](1=CC=CC=C1,x
methylbenactyzium root root OC(C1=CC=CC=C1)(C2=CC=CC=C2)C(OC[C[N+](CC)(C)CC)=O,x
benactyzine root root CCN(CCOC(C(C1=CC=CC=C1)(C2=CC=CC=C2)O)=O)CC,x
miripirium root root CCCCCCCCCCCCCCCC[N+](1=CC=C(C)C=C1,x
neopentylglycol root root OCC(C)(C)CO,x
nioxime root root ON=C(CCCC1)C1=NO,x
oxapium root root C[N+](1(CC2COC(C3CCCCC3)(C4=CC=CC=C4)O2)CCCCC1,x
oxolin root root CC2=CN(CC)C1=CC(OC3)=C3C=C1C2=O,x
oxprenolol root root CC(NCC(COC1=CC=CC=C1OCC=C)O)C,x
oxybenzone root root O=C(C1=CC=CC=C1)C(C=CC(OC)=C2)=C2O,x
penbutolol root root OC(CNC(C)(C)C)COC1=C(C2CCCC2)C=CC=C1,x
pentacynium root root
C[N+](CCCC(C1=CC=CC=C1)(C2=CC=CC=C2)C#N)(CC[N+](3(CCOCC3)C)C)C,x
pentazocine root root CC2C3(C)C1=CC(O)=CC=C1CC2N(CC=C(C)C)CC3,x
phenacetur root root CCNC(=O)Cc1cccc1,x
phencyclidine|angeldust root root c1(C2(N3CCCCC3)CCCCC2)cccc1,x
pinaverium root root COC4=CC(Br)=C(C=C4OC)C[N+](3(CCOCC3)CCOCC1CCC2CC1C2(C)C)C,x
piperylene root root C=CC=CC,x
piroctanylium root root CC(C)CCCC(C)CC[N+](1(CC=C)CCCC1,x
pirocurarium root root CC[N+](CC)(CCOCCOC(C([N+](2(CCCCC2)C)C1=CC=CC=C1)=O)C)C,x
pranolium root root CC(C)[N+](C)(C)CC(O)COC1=C2C(C=CC=C2)=CC=C1,x
pretamazium root root
CC[N+](3=C(SC=C3C4=CC=C(C5=CC=CC=C5)C=C4)C=CC1=CC=C(N2CCCC2)C=C1,x
propanolol root root OC(CNC(C)C)COC1=C2C(C=CC=C2)=CC=C1,x

[illegible]

[illegible]

[illegible]

Figure 1 is a schematic representation of the experimental design. It shows a vertical timeline of events for two groups: 'Control' and 'Experimental'. The timeline starts with 'Baseline' and ends with 'Post-test'. Key events include 'Baseline', 'Training', 'Transfer', 'Retention', and 'Post-test'. The 'Control' group receives 'Training' and 'Transfer' but not 'Retention'. The 'Experimental' group receives 'Training', 'Transfer', and 'Retention'. The 'Retention' phase is marked with a large 'X' and the text 'Retention'.

Variable	Mean	SD	Min	Max	Median	Q1	Q3	Mode	Skewness	Kurtosis	Normality
Age	35.5	12.5	18	65	32	28	38	35	0.5	3.5	Normal
Gender	1.5	0.5	1	2	1.5	1.5	1.5	1.5	0.0	0.0	Normal
Marital Status	2.5	1.0	1	4	2.5	2.0	3.0	2.5	0.0	0.0	Normal
Education	12.5	2.5	9	16	12	11	13	12	0.0	0.0	Normal
Income	1500	500	500	3000	1200	800	1800	1500	0.0	0.0	Normal
Occupation	1.5	0.5	1	2	1.5	1.5	1.5	1.5	0.0	0.0	Normal
Health Status	2.5	1.0	1	4	2.5	2.0	3.0	2.5	0.0	0.0	Normal
Stress Level	3.5	1.5	1	5	3.5	3.0	4.0	3.5	0.0	0.0	Normal
Life Satisfaction	4.5	1.0	3	5	4.5	4.0	5.0	4.5	0.0	0.0	Normal
Resilience	3.5	1.0	2	5	3.5	3.0	4.0	3.5	0.0	0.0	Normal
Emotional Stability	3.5	1.0	2	5	3.5	3.0	4.0	3.5	0.0	0.0	Normal
Physical Health	3.5	1.0	2	5	3.5	3.0	4.0	3.5	0.0	0.0	Normal
Mental Health	3.5	1.0	2	5	3.5	3.0	4.0	3.5	0.0	0.0	Normal
Social Support	3.5	1.0	2	5	3.5	3.0	4.0	3.5	0.0	0.0	Normal
Life Satisfaction	4.5	1.0	3	5	4.5	4.0	5.0	4.5	0.0	0.0	Normal
Resilience	3.5	1.0	2	5	3.5	3.0	4.0	3.5	0.0	0.0	Normal
Emotional Stability	3.5	1.0	2	5	3.5	3.0	4.0	3.5	0.0	0.0	Normal
Physical Health	3.5	1.0	2	5	3.5	3.0	4.0	3.5	0.0	0.0	Normal
Mental Health	3.5	1.0	2	5	3.5	3.0	4.0	3.5	0.0	0.0	Normal
Social Support	3.5	1.0	2	5	3.5	3.0	4.0	3.5	0.0	0.0	Normal

betulin loveracid root
C[C@@]45CC[C@@]3(C)[C@]2(C)CC[C@@]1([H])C(C)(C)[C@@H](O)CC[C@]1(C)[C@@]2([H])CCC3[C@@]4([H])[C@H](C(C)=C)CC5,x
betulin root root
OC[C@@]45CC[C@@]3(C)[C@]2(C)CC[C@@]1([H])C(C)(C)[C@@H](O)CC[C@]1(C)[C@@]2([H])CC3[C@@]4([H])[C@H](C(C)=C)CC5,x
caluros root root CC(C)(c1cccc1)CC=C(C)C,x
thymine|thymine|uracil|orot|isoorot|cytosine|isocytosine|guanine|xanthine|hypoxanthine pseudosugar unknown x,x
thymine|thymine root root
N,1, Ring, Ring1, C, 2, (=O), x, N, 3, C, 4, (=O), x, c, 5, (C), x, c, 6, Ring, Ring1
uracil root root N,1, Ring, Ring1, C, 2, (=O), x, N, 3, C, 4, (=O), x, c, 5, c, 6, Ring, Ring1
orot root root C, x, c, 6, Ring, Ring1, N, 1, C, 2, (=O), x, N, 3, C, 4, (=O), x, c, 5, Ring, Ring1
isoorot root root
C, x, c, 5, Ring, Ring1, c, 6, n, 1, c, 2, (=O), x, n, 3, c, 4, (=O), x, Ring, Ring1
cytosine root root
n, 1|prefhydro, Ring, Ring1, c, 2, (=O), x, n, 3, c, 4, (N), n, c, 5, c, 6, Ring, Ring1
isocytosine root root
n, 1|prefhydro, Ring, Ring1, c, 2, (N), x, n, 3, c, 4, (=O), n, c, 5, c, 6, Ring, Ring1
guanine pseudosugar unknown x,x
guanine root root
n, 7|prefhydro, Ring, Ring1, c, 8, n, 9, c, 4, Ring, Ring2, n, 3, c, 2, (N), n, N, 1, c, 6, (=O), x, c, 5, Ring, Ring1, Ring, Ring2
xanthine root root
n, 7|prefhydro, Ring, Ring1, c, 8, n, 9, c, 4, Ring, Ring2, n, 3, c, 2, (=O), x, n, 1, c, 6, (=O), x, c, 5, Ring, Ring1, Ring, Ring2
hypoxanthine root root
n, 7|prefhydro, Ring, Ring1, c, 8, n, 9, c, 4, Ring, Ring2, n, 3, c, 2, n, 1, c, 6, (O), x, c, 5, Ring, Ring1, Ring, Ring2
theophylline|theophylline|aminophylline|aminophyllin root root
n, 7, Ring, Ring1, c, 8, n, 9, c, 4, Ring, Ring2, n, 3, (C), x, c, 2, (=O), x, n, 1, (C), x, c, 6, (=O), x, c, 5, Ring, Ring1, Ring, Ring2
theobromine|theobromine root root
n, 7, Ring, Ring1, (C), x, c, 8, n, 9, c, 4, Ring, Ring2, n, 3, (C), x, c, 2, (=O), x, n, 1, c, 6, (=O), x, c, 5, Ring, Ring1, Ring, Ring2
xanthopterin root root Oc1nc(N)nc2c1nc(O)cn2,x
isoxanthopterin root root O=C1C(N=CC2=O)=C(N2)NC(N)=N1,x
xanthopterid root root
n, 1, Ring, Ring1, c, 2, (N), x, n, 3, c, 4, (O), x, c, 4a, Ring, Ring2, n, 5, c, 6, (O), x, c, 7, n, 8, c, 8a, Ring, Ring1, Ring, Ring2
pterine|pterine root root
n, 1, Ring, Ring1, c, 2, (N), x, N, 3, C, 4, (=O), x, c, 4a, Ring, Ring2, n, 5, c, 6, c, 7, n, 8, c, 8a, Ring, Ring2, Ring, Ring1
aminopterin root root
O, 1@x, C(CCC(C(O)=O)NC(C3=CC=C(C=C3)NCC1=CN=C2C(C(N)=NC(N)=N2)=N1)=O)=O,x
vitaminh root root O=C(N2)NC1C2CS[C@H]1CCCC(O)=O,x
brucine root root
O=C(C5)N(C4[C@@]2(CC7)[C@](N7C6)([H])C[C@@]3([H])C6=CCOC5[C@]34[H])C1=C2C=C(OC)C(OC)=C1,x
struchnine root root
O=C(C5)N(C4[C@@]2(CC7)[C@](N7C6)([H])C[C@@]3([H])C6=CCOC5[C@]34[H])C1=C2C=,x,C,10,C,11,=C1,x
penicillan root root
C,x,[C@@H],3, Ring, Ring2, N, 4, Ring, Ring1, C, 5, (,x,[C@H],6,([H]),x,[C@@],6a, Ring, Ring1,([H]),x,S,1,C,2, Ring, Ring2, (C)C)=O,x

Category	Sub-category	Value
Overall	Mean	1.00
	SD	0.15
	Min	0.80
	Max	1.20
	Q1	0.90
	Q3	1.10
	Median	1.00
	Mode	1.00
	Range	0.80-1.20
	Interquartile Range	0.20
Group 1	Mean	1.05
	SD	0.12
	Min	0.85
	Max	1.15
	Q1	0.95
	Q3	1.05
	Median	1.00
	Mode	1.00
	Range	0.85-1.15
	Interquartile Range	0.10
Group 2	Mean	0.95
	SD	0.18
	Min	0.75
	Max	1.15
	Q1	0.85
	Q3	1.05
	Median	0.90
	Mode	0.90
	Range	0.75-1.15
	Interquartile Range	0.20


```
,Ring,Ring4,(,x,C,18,),x,C,12,[C@H],11,(=O),x,C,9,Ring,Ring3,[C@@],10,Ring,Ring
1,Ring,Ring2,C,19
androsterone root steroid
C,1,Ring,Ring1,C,2,[C@H],3,(O),x,C,4,C,5,Ring,Ring2,C,6,C,7,C,8,Ring,Ring3,C,14
,Ring,Ring4,C,15,C,16,C,17,(=O),x,[C@@],13,Ring,Ring4,(,x,C,18,),x,C,12,C,11,C,9
,Ring,Ring3,[C@@],10,Ring,Ring1,Ring,Ring2,C,19
isoandrosterone root steroid
C,1,Ring,Ring1,C,2,[C@H],3,(O),x,C,4,C,5,Ring,Ring2,C,6,C,7,C,8,Ring,Ring3,C,14,
Ring,Ring4,C,15,C,16,C,17,(=O),x,[C@@],13,Ring,Ring4,(,x,C,18,),x,C,12,C,11,C,9,
Ring,Ring3,[C@@],10,Ring,Ring1,Ring,Ring2,C,19
aldosterone root steroid
C,3,(,x,C,2,C,1,Ring,Ring1,)(=O),x,c,4,c,5,Ring,Ring2,C,6,C,7,C,8,Ring,Ring3,C,1
4,Ring,Ring4,C,15,C,16,[C@],17,(,x,C,20,C,21,O,x,),x,[C@@],13,Ring,Ring4,(,x,C,1
8,=O,x,),x,C,12,[C@H],11,(O),x,C,9,Ring,Ring3,[C@@],10,Ring,Ring1,Ring,Ring2,C,1
9
pregnanolone root steroid
C,3,(O)(,x,C,2,C,1,Ring,Ring1,),x,C,4,C,5,Ring,Ring2,C,6,C,7,C,8,Ring,Ring3,C,14
,Ring,Ring4,C,15,C,16,[C@],17,(,x,C,20,(=O),x,C,21,),x,[C@@],13,Ring,Ring4,(,x,C
,18,),x,C,12,C,11,C,9,Ring,Ring3,[C@@],10,Ring,Ring1,Ring,Ring2,C,19
testosteron|testosterone root steroid
C,3,(,x,C,2,C,1,Ring,Ring1,)(=O),x,c,4,c,5,Ring,Ring2,C,6,C,7,C,8,Ring,Ring3,C,1
4,Ring,Ring4,C,15,C,16,[C@],17,(O),x,[C@@],13,Ring,Ring4,(,x,C,18,),x,C,12,C,11,
C,9,Ring,Ring3,[C@@],10,Ring,Ring1,Ring,Ring2,C,19
dihydrotestosteron|dihydrotestosterone root steroid
C,3,(,x,C,2,C,1,Ring,Ring1,)(=O),x,C,4,C,5,Ring,Ring2,C,6,C,7,C,8,Ring,Ring3,C,1
4,Ring,Ring4,C,15,C,16,[C@],17,(O),x,[C@@],13,Ring,Ring4,(,x,C,18,),x,C,12,C,11,
C,9,Ring,Ring3,[C@@],10,Ring,Ring1,Ring,Ring2,C,19
oestradiol|estradiol|betaoestradiol|betaestradiol root steroid
c,3,(O),x,(,x,c,2,c,1,Ring,Ring1,),x,c,4,c,5,Ring,Ring2,C,6,C,7,C,8,Ring,Ring3,C
,14,Ring,Ring4,C,15,C,16,[C@],17,(O),x,[C@@],13,Ring,Ring4,(,x,C,x,),x,C,12,C,11
,C,9,Ring,Ring3,c,10,Ring,Ring1,Ring,Ring2
oestriol|estriol root steroid
c,3,(O),x,(,x,c,2,c,1,Ring,Ring1,),x,c,4,c,5,Ring,Ring2,C,6,C,7,C,8,Ring,Ring3,C
,14,Ring,Ring4,C,15,[C@@],16,(O),x,[C@],17,(O),x,[C@@],13,Ring,Ring4,(,x,C,x,),x
,C,12,C,11,C,9,Ring,Ring3,c,10,Ring,Ring1,Ring,Ring2
oestrone|estrone root steroid
c,3,(O),x,(,x,c,2,c,1,Ring,Ring1,),x,c,4,c,5,Ring,Ring2,C,6,C,7,C,8,Ring,Ring3,C
,14,Ring,Ring4,C,15,C,16,C,17,(=O),x,[C@@],13,Ring,Ring4,(,x,C,x,),x,C,12,C,11,C
,9,Ring,Ring3,c,10,Ring,Ring1,Ring,Ring2
brassinolid|brassinolide root steroid
[C@@H],3,(O),x,(,x,[C@H],2,(O),x,C,1,Ring,Ring1,),x,C,4,[C@],5,Ring,Ring2,([H]),
x,C,6,(=O)O,x,C,7,C,8,Ring,Ring3,C,14,Ring,Ring4,C,15,C,16,[C@],17,(,x,[C@@],20,
(,x,[C@H],22,(O),x,[C@H],23,(O),x,[C@@H],24,(C),x,C,25,(,x,C,26,),x,C,27,),x,C,2
1,),x,[C@@],13,Ring,Ring4,(,x,C,18,),x,C,12,C,11,C,9,Ring,Ring3,[C@@],10,Ring,Ri
ng1,Ring,Ring2,C,19
caldiol root root
[C@H],3,(O),x,(,x,C,2,C,1,Ring,Ring1,),x,C,4,C,5,Ring,Ring2,=x,C,6,C,7,=x,C,8,
Ring,Ring3,C,14,Ring,Ring4,C,15,C,16,[C@],17,(,x,[C@@],20,(,x,C,22,C,23,C,24,C,2
5,(,x,C,26,)(O),x,C,27,),x,C,21,),x,[C@@],13,Ring,Ring4,(,x,C,18,),x,C,12,C,11,C
,9,Ring,Ring3,.,x,C,10,Ring,Ring1,Ring,Ring2,=x,C,19
calciol|cholecalciferol|vitamind3 root root
[C@H],3,(O),x,(,x,C,2,C,1,Ring,Ring1,),x,C,4,C,5,Ring,Ring2,=x,C,6,C,7,=x,C,8|
a-
r,Ring,Ring3,C,14,Ring,Ring4,C,15,C,16,[C@],17,(,x,[C@@],20,(,x,C,22,C,23,C,24,C
,25,(,x,C,26,),x,C,27,),x,C,21,),x,[C@@],13,Ring,Ring4,(,x,C,18,),x,C,12,C,11|a-
t,C,9|a-b,Ring,Ring3,.,x,C,10,Ring,Ring1,Ring,Ring2,=x,C,19
```

Variable	Mean	SD	Min	Max	Median	Q1	Q3	Mode	Skewness	Kurtosis	Normality
Age	35.2	12.5	18	65	32	28	38	35	0.15	2.1	0.05
Gender	1.2	0.4	1	2	1	1	2	1	-0.1	0.5	0.01
Education	12.5	2.1	9	16	12	11	13	12	0.2	1.8	0.02
Income	1500	500	500	3000	1200	800	1800	1000	0.3	2.5	0.03
Marital Status	1.5	0.5	1	2	1	1	2	1	-0.1	0.5	0.01
Occupation	2.5	1.2	1	4	2	1	3	2	0.2	1.8	0.02
Health Status	1.8	0.6	1	2	1	1	2	1	-0.1	0.5	0.01
Stress Level	3.2	1.5	1	5	3	2	4	3	0.1	2.0	0.04
Life Satisfaction	4.5	1.0	3	5	4	4	5	4	-0.1	0.5	0.01
Resilience	2.8	1.2	1	4	3	2	4	3	0.2	1.8	0.02
Emotional Stability	3.5	1.0	2	4	3	3	4	3	-0.1	0.5	0.01
Physical Health	2.2	0.8	1	3	2	2	3	2	-0.1	0.5	0.01
Mental Health	2.5	1.0	1	4	2	2	3	2	0.2	1.8	0.02
Overall Well-being	3.0	1.2	1	4	3	2	4	3	0.1	2.0	0.04

corticosterone root steroid

cortisol root steroid

ecdysone root steroid

ercalciol|ergocalciferol root root

ergosterol root steroid

lumisterol root steroid

cardanolide root steroid

card2022enolide|2022cardenolide root steroid

digitoxigenin root steroid

bufanolide root steroid

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C, 3, (, x, C, 2, C, 1, Ring, Ring1, ), x, C, 4, C, 5, Ring, Ring2, C, 6, C, 7, C, 8, Ring, Ring3, C, 14, Ring, Ring4, C, 15, C, 16, [C@], 17, (, x, [C@@], 20, Ring, Ring5, C, 21, O, x, C, 24, (=O), x, C, 23, C, 22, Ring, Ring5, ), x, [C@@], 13, Ring, Ring4, (, x, C, 18, ), x, C, 12, C, 11, C, 9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C, 19
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bufadienolide root steroid

C,3,(,x,C,2,C,1, Ring, Ring1,), x,C,4,C,5, Ring, Ring2, C,6,C,7,C,8, Ring, Ring3, C,14, Ring, Ring4, C,15,C,16, [C@], 17, (,x, [C@@], 20, Ring, Ring5, =, x,C,21,O,x,C,24, (=O), x,C,23, =, x,C,22, Ring, Ring5,), x, [C@@], 13, Ring, Ring4, (,x,C,18,), x,C,12,C,11,C,9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C,19

cev root steroid

C,3,(,x,C,2,C,1, Ring, Ring1,), x,C,4,C,5, Ring, Ring2, C,6,C,7,C,8, Ring, Ring3, [C@@], 14, ([H]), x, Ring, Ring4, C,15,C,16, [C@@], 17, ([H]), x, Ring, Ring5, [C@@H], 20, (C), x, [C@@], x, ([H]), x, Ring, Ring6, C,x,C,x, [C@H], x, (C), x,C,x,N,x, Ring, Ring6, C,x, [C@], x, ([H]), x, Ring, Ring5, [C@@], 12, ([H]), x, Ring, Ring4, C,11,C,9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C,19

solidan root steroid

C,3,(,x,C,2,C,1, Ring, Ring1,), x,C,4,C,5, Ring, Ring2, C,6,C,7,C,8, Ring, Ring3, C,14, Ring, Ring4, C,15,C,16, Ring, Ring5, [C@], 17, ([H]) (,x, [C@], 20, (,x,C,21,), x, [C@], 22, ([H])), x, Ring, Ring6, C,23,C,24, [C@H], 25, (,x,C,27,), x,C,26,N,28, Ring, Ring6, Ring, Ring5,), x, [C@@], 13, Ring, Ring4, (,x,C,18,), x,C,12,C,11,C,9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C,19

spirost root steroid

C,3,(,x,C,2,C,1, Ring, Ring1,), x,C,4,C,5, Ring, Ring2, C,6,C,7,C,8, Ring, Ring3, C,14, Ring, Ring4, C,15, [C@], 16, ([H]) (,x,O,x, Ring, Ring5,), x, [C@], 17, ([H]) (,x, [C@@], 20, (,x, [C@@], 22, Ring, Ring5, (,x,O,x, Ring, Ring6,), x,C,23,C,24,C,25, (,x,C,26, Ring, Ring6,), x,C,27,), x,C,21,), x, [C@@], 13, Ring, Ring4, (,x,C,18,), x,C,12,C,11,C,9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C,19

spirosol root steroid

C,3,(,x,C,2,C,1, Ring, Ring1,), x,C,4,C,5, Ring, Ring2, C,6,C,7,C,8, Ring, Ring3, C,14, Ring, Ring4, C,15, [C@], 16, ([H]) (,x,O,x, Ring, Ring5,), x, [C@], 17, ([H]) (,x, [C@], 20, (,x,C,22, Ring, Ring5, (,x,N,x, Ring, Ring6,), x,C,23,C,24,C,25, (,x,C,26, Ring, Ring6,), x,C,27,), x,C,21,), x, [C@@], 13, Ring, Ring4, (,x,C,18,), x,C,12,C,11,C,9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C,19

tomatid root steroid

C,3,(,x,C,2,C,1, Ring, Ring1,), x,C,4, [C@@H], 5, ([H]), x, Ring, Ring2, C,6,C,7,C,8, Ring, Ring3, C,14, Ring, Ring4, C,15, [C@], 16, ([H]) (,x,O,x, Ring, Ring5,), x, [C@], 17, ([H]) (,x, [C@], 20, (,x, [C@], 22, Ring, Ring5, (,x,N,x, Ring, Ring6,), x,C,23,C,24, [C@@H], 25, (,x,C,26, Ring, Ring6,), x,C,27,), x,C,21,), x, [C@@], 13, Ring, Ring4, (,x,C,18,), x,C,12,C,11,C,9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C,19

solasod root steroid

C,3,(,x,C,2,C,1, Ring, Ring1,), x,C,4, [C@@H], 5, ([H]), x, Ring, Ring2, C,6,C,7,C,8, Ring, Ring3, C,14, Ring, Ring4, C,15, [C@], 16, ([H]) (,x,O,x, Ring, Ring5,), x, [C@], 17, ([H]) (,x, [C@], 20, (,x, [C@@], 22, Ring, Ring5, (,x,N,x, Ring, Ring6,), x,C,23,C,24, [C@H], 25, (,x,C,26, Ring, Ring6,), x,C,27,), x,C,21,), x, [C@@], 13, Ring, Ring4, (,x,C,18,), x,C,12,C,11,C,9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C,19

furost root steroid

C,3,(,x,C,2,C,1, Ring, Ring1,), x,C,4,C,5, Ring, Ring2, C,6,C,7,C,8, Ring, Ring3, C,14, Ring, Ring4, C,15, [C@], 16, ([H]) (,x,O,x, Ring, Ring5,), x, [C@], 17, ([H]) (,x, [C@@], 20, (,x, [C@], 22, Ring, Ring5, C,23,C,24,C,25, (,x,C,26,), x,C,27,), x,C,21,), x, [C@@], 13, Ring, Ring4, (,x,C,18,), x,C,12,C,11,C,9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C,19

chol loveracid steroid

C,1, Ring, Ring1, C,2, [C@H], 3, (O), x,C,4,C,5, Ring, Ring2, C,6, [C@@H], 7, (O), x,C,8, Ring, Ring3, C,14, Ring, Ring4, C,15,C,16, [C@], 17, (,x, [C@@H], 20, (,x,C,22,C,23,C,24,), x,C,21,), x, [C@@], 13, Ring, Ring4, (,x,C,18,), x, [C@@H], 12, (O), x,C,11,C,9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C,19

lithochol loveracid steroid

C,1, Ring, Ring1, C,2, [C@@H], 3, (O), x,C,4,C,5, Ring, Ring2, C,6,C,7,C,8, Ring, Ring3, C,14, Ring, Ring4, C,15,C,16, [C@], 17, (,x, [C@@H], 20, (,x,C,22,C,23,C,24,), x,C,21,), x, [C@@], 13, Ring, Ring4, (,x,C,18,), x,C,12,C,11,C,9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C,19

dehydrochol loveracid steroid

C,1, Ring, Ring1, C, 2, C, 3, (=O), x, C, 4, C, 5, Ring, Ring2, C, 6, C, 7, (=O), x, C, 8, Ring, Ring3, C, 14, Ring, Ring4, C, 15, C, 16, [C@], 17, (, x, [C@@H], 20, (, x, C, 22, C, 23, C, 24,) , x, C, 21,) , x, [C@@], 13, Ring, Ring4, (, x, C, 18,) , x, C, 12, (=O), x, C, 11, C, 9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C, 19

hyodeoxychol loveracid steroid

C,1, Ring, Ring1, C, 2, [C@@H], 3, (O), x, C, 4, C, 5, Ring, Ring2, [C@@H], 6, (O), x, C, 7, C, 8, Ring, Ring3, C, 14, Ring, Ring4, C, 15, C, 16, [C@], 17, (, x, [C@@H], 20, (, x, C, 22, C, 23, C, 24,) , x, C, 21,) , x, [C@@], 13, Ring, Ring4, (, x, C, 18,) , x, C, 12, C, 11, C, 9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C, 19

chenodeoxychol loveracid steroid

C,1, Ring, Ring1, C, 2, C, 3, [C@@H], 4, (O), x, C, 5, Ring, Ring2, C, 6, [C@@H], 7, (O), x, C, 8, Ring, Ring3, C, 14, Ring, Ring4, C, 15, C, 16, [C@], 17, (, x, [C@@H], 20, (, x, C, 22, C, 23, C, 24,) , x, C, 21,) , x, [C@@], 13, Ring, Ring4, (, x, C, 18,) , x, C, 12, C, 11, C, 9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C, 19

ursodeoxychol loveracid steroid

C,1, Ring, Ring1, C, 2, [C@H], 3, (O), x, C, 4, C, 5, Ring, Ring2, C, 6, [C@H], 7, (O), x, C, 8, Ring, Ring3, C, 14, Ring, Ring4, C, 15, C, 16, [C@], 17, (, x, [C@@H], 20, (, x, C, 22, C, 23, C, 24,) , x, C, 21,) , x, [C@@], 13, Ring, Ring4, (, x, C, 18,) , x, C, 12, C, 11, C, 9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C, 19

tauroursodeoxychol loveracid steroid

S, x, (=O), x, (=O), x, (, x, O, 1@x,) , x, C, x, C, x, N, x, Ring, Ring5, . , x, C, 1, Ring, Ring1, C, 2, [C@@H], 3, (O), x, C, 4, C, 5, Ring, Ring2, C, 6, [C@H], 7, (O), x, C, 8, Ring, Ring3, C, 14, Ring, Ring4, C, 15, C, 16, [C@], 17, (, x, [C@@H], 20, (, x, C, 22, C, 23, C, 24, (=O), x, Ring, Ring5,) , x, C, 21,) , x, [C@@], 13, Ring, Ring4, (, x, C, x,) , x, C, 12, C, 11, C, 9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C, 19

taurochol loveracid steroid

S, x, (=O), x, (=O), x, (, x, O, 1@x,) , x, C, x, C, x, N, x, Ring, Ring5, . , x, C, 1, Ring, Ring1, C, 2, C, 3, [C@H], 4, (O), x, C, 5, Ring, Ring2, C, 6, [C@@H], 7, (O), x, C, 8, Ring, Ring3, C, 14, Ring, Ring4, C, 15, C, 16, [C@], 17, (, x, [C@@H], 20, (, x, C, 22, C, 23, C, 24, (=O), x, Ring, Ring5,) , x, C, 21,) , x, [C@@], 13, Ring, Ring4, (, x, C, x,) , x, [C@@H], 12, (O), x, C, 11, C, 9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C, 19

glycochol loveracid steroid

C,1, Ring, Ring1, C, 2, C, 3, [C@H], 4, (O), x, C, 5, Ring, Ring2, [C@@H], 6, (O), x, C, 7, C, 8, Ring, Ring3, C, 14, Ring, Ring4, C, 15, C, 16, [C@], 17, (, x, [C@@H], 20, (, x, C, 22, C, 23, C, 24, (=O)NCC, x,) , x, C, 21,) , x, [C@@], 13, Ring, Ring4, (, x, C, 18,) , x, [C@@H], 12, (O), x, C, 11, C, 9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C, 19

oxymetholone root steroid

C, 3, (=O) (, x, C, 2, (=CO), x, C, 1, Ring, Ring1,) , x, C, 4, C, 5, Ring, Ring2, C, 6, C, 7, C, 8, Ring, Ring3, C, 14, Ring, Ring4, C, 15, C, 16, [C@], 17, (O) (C), x, [C@@], 13, Ring, Ring4, (, x, C, x,) , x, C, 12, C, 11, C, 9, Ring, Ring3, [C@@], 10, Ring, Ring1, Ring, Ring2, C, 19

homo natderiver nathomo x, x

nor natderiver natnor x, x

seco natderiver natseco x, x

abeo natderiver natabeo x, x

cyclo natderiver cyclo x, x

rightarrow|arrow|fwdarrow|fwdarw unknown natarrow x, x

flophemesyl root root [Si], 4@x, (C) (C) c1c(F) c(F) c(F) c(F) c(F) 1, x

diethylenetriamine root root N, n|1, C, 2, C, 3, N, n' |4, C, 5, C, 6, N, n' |7

triethylenetetramine root root N, n, CC, x, N, n' , CC, x, N, n' , CC, x, N, n'

tetraethylenepentamine root root

N, n, CC, x, N, n' , CC, x, N, n' , CC, x, N, n' , CC, x, N, n'

pentaethylenhexamine root root

N, n, CC, x, N, n' , CC, x, N, n' , CC, x, N, n' , CC, x, N, n' , CC, x, N, n'

cupferron root root O=NN([O-]) c1cccc1. [NH4+], x

camphene root root C=C(CC(CC2)C1(C)C)C12C, x

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

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項目	2000年	2001年	2002年	2003年	2004年	2005年	2006年	2007年	2008年	2009年	2010年	2011年	2012年	2013年	2014年	2015年	2016年	2017年	2018年	2019年	2020年
1. 総人口	12,800,000	12,850,000	12,900,000	12,950,000	13,000,000	13,050,000	13,100,000	13,150,000	13,200,000	13,250,000	13,300,000	13,350,000	13,400,000	13,450,000	13,500,000	13,550,000	13,600,000	13,650,000	13,700,000	13,750,000	13,800,000
2. 男性人口	6,400,000	6,425,000	6,450,000	6,475,000	6,500,000	6,525,000	6,550,000	6,575,000	6,600,000	6,625,000	6,650,000	6,675,000	6,700,000	6,725,000	6,750,000	6,775,000	6,800,000	6,825,000	6,850,000	6,875,000	6,900,000
3. 女性人口	6,400,000	6,425,000	6,450,000	6,475,000	6,500,000	6,525,000	6,550,000	6,575,000	6,600,000	6,625,000	6,650,000	6,675,000	6,700,000	6,725,000	6,750,000	6,775,000	6,800,000	6,825,000	6,850,000	6,875,000	6,900,000
4. 出生人口	1,200,000	1,180,000	1,160,000	1,140,000	1,120,000	1,100,000	1,080,000	1,060,000	1,040,000	1,020,000	1,000,000	980,000	960,000	940,000	920,000	900,000	880,000	860,000	840,000	820,000	800,000
5. 死亡人口	800,000	820,000	840,000	860,000	880,000	900,000	920,000	940,000	960,000	980,000	1,000,000	1,020,000	1,040,000	1,060,000	1,080,000	1,100,000	1,120,000	1,140,000	1,160,000	1,180,000	1,200,000
6. 自然増減	400,000	360,000	320,000	280,000	240,000	200,000	160,000	120,000	80,000	40,000	0	-20,000	-40,000	-60,000	-80,000	-100,000	-120,000	-140,000	-160,000	-180,000	-200,000
7. 人口密度	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
8. 出生率	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4
9. 死亡率	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3
10. 自然増減率	3.1	2.8	2.5	2.2	1.9	1.6	1.3	1.0	0.7	0.4	0.1	-0.2	-0.4	-0.6	-0.8	-1.0	-1.2	-1.4	-1.6	-1.8	-2.0
11. 人口移動	100,000	110,000	120,000	130,000	140,000	150,000	160,000	170,000	180,000	190,000	200,000	210,000	220,000	230,000	240,000	250,000	260,000	270,000	280,000	290,000	300,000
12. 人口移動率	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5

Variable	Mean	SD	Min	Max	Median	Q1	Q3	Mode	Skewness	Kurtosis	Shapiro-Wilk	Normality
Age	35.2	12.5	18	65	32	25	38	35	0.15	2.1	0.98	Normal
Gender	1.2	0.4	1	2	1	1	1	1	0.05	0.2	0.95	Normal
Education	12.5	2.1	9	16	12	11	13	12	0.12	1.8	0.97	Normal
Income	2500	1500	500	6000	2000	1500	2500	2000	0.18	2.3	0.96	Normal
Marital Status	1.5	0.5	1	2	1	1	1	1	0.08	0.3	0.94	Normal
Occupation	2.5	1.2	1	4	2	2	3	2	0.10	1.9	0.97	Normal
Health Status	1.8	0.6	1	2	1	1	1	1	0.06	0.1	0.99	Normal
Stress Level	3.2	1.5	1	5	3	2	4	3	0.14	2.0	0.98	Normal
Life Satisfaction	4.5	1.2	3	6	4	4	5	4	0.11	1.7	0.97	Normal
Work-Life Balance	2.8	1.0	1	4	3	2	3	3	0.09	1.6	0.98	Normal
Family Support	3.5	1.1	2	5	3	3	4	3	0.13	1.9	0.97	Normal
Community Involvement	2.2	0.9	1	4	2	2	3	2	0.07	1.4	0.99	Normal
Personal Growth	3.8	1.3	2	5	4	3	4	4	0.16	2.2	0.96	Normal
Overall Well-being	4.2	1.0	3	5	4	4	5	4	0.10	1.8	0.97	Normal

[illegible]

azoxy azo root [N+],x,([O-]),x,=,x,N,x
 azodioxy azo root [N+],x,([O-]),x,=,x,[N+],x,[O-],x
 azodioxy infix doublebondable [N+],4@x,([O-]),x,=,x,[N+],x,[O-],x
 azodioxy root bridge [N+],4@x,([O-]),x,=,x,[N+],4@x,[O-],x
 onnazoxy|nonazoxy infix doublebondable N,4@x,=,x,[N+],x,[O-],x
 diazoamino azo root N,x,=,x,N,x,N,n
 diazoamino root bridge N,4@x,=,x,N,x,N,4@n
 mercuri infix infix [Hg],4@x
 per prefix permult x,x
 bi prefix ringmult 2,mult
 ter prefix ringmult 3,mult
 quater prefix ringmult 4,mult
 quinque prefix ringmult 5,mult
 sexi prefix ringmult 6,mult
 septi prefix ringmult 7,mult
 octi prefix ringmult 8,mult
 novi prefix ringmult 9,mult
 deci prefix ringmult 10,mult
 kis prefix kis 1,x
 mono|mon prefix prefix 1,mult
 hen prefix chainable 1,mult
 di prefix prefix 2,mult
 do prefix chainable 2,mult
 bis prefix kis 2,mult
 tri prefix chainable 3,mult
 tris prefix kis 3,mult
 tetr|tetra prefix chainable 4,mult
 pent|penta prefix chainable 5,mult
 hex|hexa prefix chainable 6,mult
 hept|hepta prefix chainable 7,mult
 oct|octa prefix chainable 8,mult
 non|nona prefix chainable 9,mult
 dec|deca prefix chainable 10,mult
 undec|undeca prefix prefix 11,mult
 eicos|eicosa|icos|icosa|cos|cosa prefix chainable 20,mult
 uneicos|uneicosa|unicos|unicosa prefix prefix 21,mult
 triacont|triaconta|tricont|triconda prefix chainable 30,mult
 tetracont|tetraconta prefix chainable 40,mult
 pentacont|pentaconta prefix chainable 50,mult
 hexacont|hexaconta prefix chainable 60,mult
 heptacont|heptaconta prefix chainable 70,mult
 octacont|octaconta prefix chainable 80,mult
 nonacont|nonaconta prefix chainable 90,mult
 hect|hecta prefix chainable 100,mult
 dict|dicta prefix chainable 200,mult
 trict|tricta prefix chainable 300,mult
 tetract|tetract prefix chainable 400,mult
 pentact|pentacta prefix chainable 500,mult
 hexact|hexact prefix chainable 600,mult
 heptact|heptacta prefix chainable 700,mult
 octact|octacta prefix chainable 800,mult
 nonact|nonacta prefix chainable 900,mult
 kili|kilia prefix chainable 1000,mult
 dili|dilia prefix chainable 2000,mult
 trili|trilia prefix chainable 3000,mult
 tetrali|tetralia prefix chainable 4000,mult
 pentali|pentalia prefix chainable 5000,mult

hexali|hexalia prefix chainable 6000,mult
 heptali|heptalia prefix chainable 7000,mult
 octali|octalia prefix chainable 8000,mult
 nonali|nonalia prefix chainable 9000,mult
 cyclo cyclo cyclo 1,cyclo
 spiro spiro unknown 1,spiro

onia chargegiver replacement 1,charge
 onium chargegiver root 1,charge
 onio chargegiver infix 1,charge
 ium|iumion|iumcation chargegiver trivial 1,charge
 ide|ideion|ideanion chargegiver trivial -1,charge
 cation|ylium|ylcation suffix namedcharge 1,charge
 anion|ylide|ylanion suffix namedcharge -1,charge
 ion suffix namedcharge 0,charge

oxammonium root root 0,x,[N+],x
 ammonium|aminium root root [N+],n|omega
 ammonio infix infix [N+],4@n
 phosphonium root root [P+],x|omega
 phosphonio infix infix [P+],4@x
 arsonium root root [As+],x|omega
 arsonio infix infix [As+],4@x
 stibonium root root [Sb+],x|omega
 stibonio infix infix [Sb+],4@x
 bismuthonium root root [Bi+],x|omega
 bismuthonio infix infix [Bi+],4@x
 sulfonium root root [S+],s|omega
 selenonium root root [Se+],s|omega
 telluronium root root [Te+],s|omega
 sulfoxonium root root [S+],s,=O,x
 sulfonio infix infix [S+],4@s
 chloronium root root [Cl+],x|omega
 chloronio infix infix [Cl+],4@x
 bromonium root root [Br+],x|omega
 bromonio infix infix [Br+],4@x
 iodonium root root [I+],x|omega
 iodonio infix infix [I+],4@x

actina replacement replacement [Ac],x
 alumina|alumin replacement replacement [Al],x
 argenta|argent replacement replacement [Ag],x
 arsa|ars|arsen replacement replacement [As],x
 arsora|arsor replacement replacement [AsH5],x
 astata|astat replacement replacement [At],x
 aura replacement replacement [Au],x
 aza|az replacement replacement N,n
 bara replacement replacement [Ba],x
 berkela|berkel replacement replacement [Bk],x
 berylla|beryll replacement replacement [Be],x
 bisma|bism replacement replacement [Bi],x
 bora|bor replacement replacement [B],x
 broma replacement replacement [Br],x
 cadma|cadm replacement replacement [Cd],x
 calca|calc replacement replacement [Ca],x
 californa|californ replacement replacement [Cf],x
 carba|carb replacement replacement [C],x

cera|cer replacement replacement [Ce],x
chlora|chrom replacement replacement [Cl],x
chroma|chrom replacement replacement [Cr],x
cobalta|cobalt replacement replacement [Co],x
cupra|cupr replacement replacement [Cu],x
cura replacement replacement [Cm],x
dysprosa|dyspros replacement replacement [Dy],x
einsteina|einstein replacement replacement [Es],x
europa|europ replacement replacement [Eu],x
ferma|ferm replacement replacement [Fm],x
ferra|ferr replacement replacement [Fe],x
fluora replacement replacement [F],x
gadolina|gadol replacement replacement [Gd],x
galla replacement replacement [Ga],x
germa|germ|german replacement replacement [Ge],x
hafna|hafn replacement replacement [Hf],x
holma|holm replacement replacement [Ho],x
inda replacement replacement [In],x
ioda replacement replacement [I],x
irida|irid replacement replacement [Ir],x
lanthana|lanthan replacement replacement [La],x
lawrenca|lawrenc replacement replacement [Lr],x
luteta|lutet replacement replacement [Lu],x
magnes|magnes replacement replacement [Mg],x
mangana|mangan replacement replacement [Mn],x
mendeleva|mendelev replacement replacement [Md],x
mercura|mercur replacement replacement [Hg],x
molybda|molybd replacement replacement [Mo],x
neodyma|neodym replacement replacement [Nd],x
neptuna|neptun replacement replacement [Np],x
nickela replacement replacement [Ni],x
nioba|niob replacement replacement [Nb],x
nobela|nobel replacement replacement [No],x
osma|osm replacement replacement [Os],x
oxa|ox replacement replacement O,x
pallada|pallad replacement replacement [Pd],x
phospha|phosph replacement replacement P,x
phosphora|phosphor replacement phosphor [PH5],x
platina|platin replacement replacement [Pt],x
plumba|plumb replacement replacement [Pb],x
plutona|pluton replacement replacement [Pu],x
polona|polon replacement replacement [Po],x
praseodyma|praseodym replacement replacement [Pr],x
prometha|prometh replacement replacement [Pm],x
protactina|protactin replacement replacement [Pa],x
rada replacement replacement [Ra],x
rhena|rhen replacement replacement [Re],x
rhoda replacement replacement [Rh],x
ruthena|ruthen replacement replacement [Ru],x
samara|samar replacement replacement [Sm],x
scanda|scand replacement replacement [Sc],x
selena|selen replacement replacement [Se],x
sila|sil|silic replacement replacement [Si],x
stanna|stann replacement replacement [Sn],x
stiba|stib|antimon replacement replacement [Sb],x
stibora|stibor replacement replacement [SbH5],x
stronta|stront replacement replacement [Sr],x

[illegible]

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thiolacton|thiolactone part2acid lactone S,5@x
selenolacton|selenolactone part2acid lactone [Se],5@x
tellurolacton|tellurolactone part2acid lactone [Te],5@x
lacton|lactone|olacton|olactone|iclacton|iclactone|olide|olid acid lactone
O,8@x,,x,O,5@x
lactam part2acid lactone N,5@x
lactam|olactam|iclactam acid lactone O,8@x,,x,N,5@x
lactim part2acid lactone N,9@x
lactim|olactim|iclactim acid lactone O,4@x,,x,N,9@x
sulfimide part2acid lactone N,4@x,S,1@x,(=O)(=O),x
anilide|analide acid acid
O,8@x,,x,N,4@n,(,x,c,1',Ring,Ring1,c,2'|o,c,3'|m,c,4'|p,c,5',c,6',Ring,Ring1),
x
anilide|analide part2acid amide
N,4@n,(,x,c,1',Ring,Ring1,c,2'|o,c,3'|m,c,4'|p,c,5',c,6',Ring,Ring1),x
anilido|analido acid infix
O,8@x,,x,N,5@n,(,x,c,1',Ring,Ring1,c,2'|o,c,3'|m,c,4'|p,c,5',c,6',Ring,Ring1),
x
anilido|analido part2acid infix
N,5@n,(,x,c,1',Ring,Ring1,c,2'|o,c,3'|m,c,4'|p,c,5',c,6',Ring,Ring1),x
4nitroanilide|pnitroanilide acid acid
O,8@x,,x,N,4@n,(,x,c,1',Ring,Ring1,c,2',c,3',c,4',([N+](=O)[O-
]),x,c,5',c,6',Ring,Ring1),x
4nitroanilide|pnitroanilide part2acid acid
N,4@n,(,x,c,1',Ring,Ring1,c,2',c,3',c,4',([N+](=O)[O-
]),x,c,5',c,6',Ring,Ring1),x
morpholide acid acid O,8@x,,x,N,4@x,Ring,Ring1,C,x,C,x,O,x,C,x,C,x,Ring,Ring1
morpholide part2acid acid N,4@x,Ring,Ring1,C,x,C,x,O,x,C,x,C,x,Ring,Ring1
ophenone acid acid
O,8@x,,x,c,4@1',Ring,Ring1,c,2'|o,c,3'|m,c,4'|p,c,5',c,6',Ring,Ring1
ophenone part2acid acid
c,4@1',Ring,Ring1,c,2'|o,c,3'|m,c,4'|p,c,5',c,6',Ring,Ring1
onaphthone acid acid
O,8@x,,x,c,4@1',Ring,Ring1,c,2',c,3',c,4',c,4a',Ring,Ring2,c,5',c,6',c,7',c,8',
c,8a',Ring,Ring1,Ring,Ring2
onaphthone part2acid acid
c,4@1',Ring,Ring1,c,2',c,3',c,4',c,4a',Ring,Ring2,c,5',c,6',c,7',c,8',c,8a',Ring
,Ring1,Ring,Ring2
ureide acid acid O,8@x,,x,N,4@n,C(=O),x,N,n'
ureide part2acid amide N,4@n,C(=O),x,N,n'
piperazide acid acid O,8@x,,x,N,4@x,Ring,Ring1,C,x,C,x,N,x,C,x,C,x,Ring,Ring1
piperazide part2acid acid N,4@x,Ring,Ring1,C,x,C,x,N,x,C,x,C,x,Ring,Ring1
piperidide acid acid O,8@x,,x,N,4@x,Ring,Ring1,C,x,C,x,C,x,C,x,C,x,Ring,Ring1
piperidide part2acid acid N,4@x,Ring,Ring1,C,x,C,x,C,x,C,x,C,x,Ring,Ring1
anhydride|cyclicanhydride part2acid anhydride O,5@x
thioanhydride part2acid anhydride S,5@x
selenoanhydride part2acid anhydride [Se],5@x
telluroanhydride part2acid anhydride [Te],5@x
imid|imide part2acid anhydride N,5@x
cyclam root root S,x,(=O)(=O),x,(NC1CCCC1),x,O,1@x
atrop loveracid root
C,x,C,x,(,x,=,x,C,x),x,c,1,Ring,Ring1,c,2|o|ortho,c,3|m|meta,c,4|p|para,c,5,c,6
,Ring,Ring1
pinon loveracid root CCC1CC(C(C)(C)1)C(=O)C,x
benzil loveracid root
C,x,C,a|alpha,(,x,O,x),x,(,x,c,1,Ring,Ring1,=,x,c,2,c,3,c,4,c,5,c,6,Ring,Ring1,
),x,c,1',Ring,Ring2,c,2',c,3',c,4',c,5',c,6',Ring,Ring2

glycoll|glycol loveracid alkane C,x,C,2|w|omega,0,x
thioglycoll|thioglycol loveracid root C,x,C,2,S,w|omega
selenoglycoll|selenoglycol loveracid root C,x,C,2,[Se],w|omega
telluroglycoll|telluroglycol loveracid root C,x,C,2,[Te],w|omega
boro|bor|orthobor loveracid root [B],x,(,x,O,1@o'',),x,(,x,O,1@o',),x,O,1@o
metabor loveracid root [B],x,(,x,=,x,O,o',),x,O,1@o
perbor loveracid root [B],x,(,x,=,x,O,x),(,x,=,x,O,x),x,O,1@o
borin loveracid root [B],x,O,1@o
borono|boron loveracid counterion [B],4@x,(,x,O,1@o',),x,O,1@o
diphosphor|pyrophosphor|pyrophosph loveracid root
P,a|alpha,(=,x,O,x),(,x,O,1@o'',),(,x,O,1@o'|p1,),x,O,x,P,b|beta,(=,x,O,x),(,x,O,1@o'''|p2,),x,O,1@o''''
dithiodiphosphor|dithiopyrophosphor|dithiopyrophosph loveracid root
P,a|alpha,(=,x,S,x),(,x,O,1@o'',),(,x,O,1@o'|p1,),x,O,x,P,b|beta,(=,x,S,x),(,x,O,1@o'''|p2,),x,O,1@o''''
phosphosulf loveracid root
P,a|alpha,(=,x,O,x),(,x,O,1@o'',),(,x,O,1@o',),x,O,x,S,b|beta,(=,x,O,x),(=,x,O,x),x,O,1@o''''
glycerophosph|alphaglycerophosph|lalphaglycerophosph|dalphaglycerophosph|dlalpha
glycerophosph loveracid root
P,a|alpha,(=,x,O,x),(,x,O,1@o'',),(,x,O,1@o',),x,OCC(O)CO,x
glycerophospho|alphaglycerophospho|lalphaglycerophospho|dalphaglycerophospho|dla
lphaglycerophospho loveracid root
P,4@a|alpha,(=,x,O,x),(,x,O,1@o',),x,OCC(O)CO,x
triphosphor loveracid root
P,a|alpha,(=,x,O,x),(,x,O,1@o'',),(,x,O,1@o'|p1,),x,O,x,P,b|beta,(=,x,O,x),(,x,O,1@o'''|p2,),x,O,x,P,g|gamma,(=,x,O,x),(,x,O,1@o''''',),x,O,1@o''''''|p3
2thiodiphosphor loveracid root
P,a|alpha,(=,x,O,x),(,x,O,1@o'',),(,x,O,1@o'|p1,),x,O,x,P,b|beta,(=,x,S,x),(,x,O,1@o'''|p2,),x,O,1@o''''
3thiotriphosphor loveracid root
P,a|alpha,(=,x,O,x),(,x,O,1@o'',),(,x,O,1@o'|p1,),x,O,x,P,b|beta,(=,x,O,x),(,x,O,1@o'''|p2,),x,O,x,P,g|gamma,(=,x,S,x),(,x,O,1@o''''',),x,O,1@o''''''|p3
tetraphosphor loveracid root
P,a|alpha,(=,x,O,x),(,x,O,1@o'',),(,x,O,1@o'|p1,),x,O,x,P,b|beta,(=,x,O,x),(,x,O,1@o'''|p2,),x,O,x,P,g|gamma,(=,x,O,x),(,x,O,1@o''''',),x,O,o''''''|p3,P,d|delta,(=,x,O,x),(,x,O,1@o''''''',),x,O,1@o''''''''|p4
phosphoro|phosphor|phosph|orthophosph|orthophosphor loveracid root
P,x,(=,x,O,x),(,x,O,1@o'',),(,x,O,1@o',),x,O,1@o
phosphono|phosphon loveracid counterion P,4@x,(=,x,O,x),(,x,O,1@o',),x,O,1@o
phospheno|phosphen loveracid root P,x,(=,x,O,x),(=,x,O,x),x,O,1@o
hypophosph loveracid root [PH0],x,(=,x,O,x),(=,x,O,x),x,O,1@o
phosphino|phosphin loveracid root [PH2],x,(=,x,O,x),x,O,1@o
phosphoenolpyruv loveracid root
P,x,(=,x,O,x),(,x,O,1@o',),(,x,O,1@o,),x,O,x,C,x,(=C),x,C,x,(=O),x,O,1@x
phyt loveracid root
O=P(,x,O,1@x),(,x,O,1@x),O[C@H]1[C@@H](OP(,x,O,1@x),(,x,O,1@x,)=O)[C@@H](OP(,x,O,1@x),(,x,O,1@x,)=O)[C@H](OP(,x,O,1@x),(,x,O,1@x,)=O)[C@@H](OP(,x,O,1@x),(,x,O,1@x,)=O)[C@@H]1OP(,x,O,1@x),(,x,O,1@x,)=O,x
orthoarsen|arseno|arsen loveracid root
[As],x,(=,x,O,x),(,x,O,1@o'',),(,x,O,1@o',),x,O,1@o
arsenicacid root root [As],x,(=,x,O,x),(,x,O,1@o'',),(,x,O,1@o',),x,O,1@o
arsono|arson loveracid counterion [As],4@x,(=,x,O,x),(,x,O,1@o',),x,O,1@o
arsino|arsin loveracid root [AsH2],x,(=,x,O,x),x,O,1@o
stibeno|stiben|antimon loveracid root
[Sb],x,(=,x,O,x),(,x,O,1@o'',),(,x,O,1@o',),x,O,1@o
stibono|stibon loveracid counterion [Sb],4@x,(=,x,O,x),(,x,O,1@o',),x,O,1@o

[illegible]

benzin nothandled nothandled x,x
dodecin nothandled nothandled x,x
methin nothandled nothandled x,x
- nothandled nothandled x,x
tolane nothandled nothandled x,x
monocrotaline nothandled nothandled x,x
adiphenine nothandled nothandled x,x
anhydridewith nothandled nothandled x,x
terpin nothandled nothandled x,x
thiuram nothandled nothandled x,x
acaprazine nothandled unknown x,x
acaralate nothandled unknown x,x
acetazide nothandled unknown x,x
acetazolamide root root CC(NC1=NN=C(S(N)(=O)=O)S1)=O,x
acetene nothandled unknown x,x
acetoexamide nothandled unknown x,x
acetonyl nothandled unknown x,x
aconitine nothandled unknown x,x
alipamide nothandled unknown x,x
ambrosin nothandled unknown x,x
amygdalin nothandled unknown x,x
anisene nothandled unknown x,x
anisindione nothandled unknown x,x
antichlor nothandled unknown x,x
antiethanol nothandled unknown x,x
antiformin nothandled unknown x,x
antiphen nothandled unknown x,x
arsamin nothandled unknown x,x
arsenal nothandled unknown x,x
arsenolite nothandled unknown x,x
atolide nothandled unknown x,x
azamethone nothandled unknown x,x
azinthiamide nothandled unknown x,x
azobutyl nothandled unknown x,x
azolimine nothandled unknown x,x
azopyrin nothandled unknown x,x
benzilan nothandled unknown x,x
benzilen nothandled unknown x,x
benzylene nothandled unknown x,x
benzolin nothandled unknown x,x
benzone nothandled unknown x,x
benzoxonium nothandled unknown x,x
benztropine|benzotropine root root CN3C4CC(CC3CC4)OC(C2=CC=CC=C2)C1=CC=CC=C1,x
biamine nothandled unknown x,x
bichlorendo nothandled unknown x,x
biclofibrate nothandled unknown x,x
biformylchlorazin nothandled unknown x,x
biphenate nothandled unknown x,x
bisoxypfen nothandled unknown x,x
blauramine nothandled unknown x,x
borolin nothandled unknown x,x
boroxine nothandled unknown x,x
bromacrylide nothandled unknown x,x
bromamide nothandled unknown x,x
bromethalin nothandled unknown x,x
bromhexine root root CN(C2CCCCC2)CC1=C(N)C(Br)=CC(Br)=C1,x
brominal nothandled unknown x,x

[illegible]

[illegible]

[illegible]

morinamide nothandled unknown x,x
 naphthonone nothandled unknown x,x
 neonal nothandled unknown x,x
 neophan nothandled unknown x,x
 neraminol nothandled unknown x,x
 nicetal nothandled unknown x,x
 nicetamide nothandled unknown x,x
 nitralin nothandled unknown x,x
 nitrochlor nothandled unknown x,x
 nitroglycerin nothandled unknown x,x
 nitroglycerol nothandled unknown x,x
 octatropine nothandled unknown x,x
 ophthalmamin nothandled unknown x,x
 oxaine nothandled unknown x,x
 oxamyl nothandled unknown x,x
 oxanamide nothandled unknown x,x
 oxanilide nothandled unknown x,x
 oxanthrene nothandled unknown x,x
 oxolamine root root CCN(CCC1=NC(C2=CC=CC=C2)=NO1)CC,x
 oxophenarsine nothandled unknown x,x
 oxoprostol nothandled unknown x,x
 oxybutynin root root CCN(CC#CCOC(C(C1CCCCC1)(c2cccc2)O)=O)CC,x
 oxydiazol nothandled unknown x,x
 oxyfume nothandled unknown x,x
 oxylan nothandled unknown x,x
 oxylite nothandled unknown x,x
 pentalenene nothandled unknown x,x
 pentalenolactone nothandled unknown x,x
 pentanochlor nothandled unknown x,x
 pernittr nothandled unknown x,x
 persilic nothandled unknown x,x
 phenactropinium nothandled unknown x,x
 phenatine nothandled unknown x,x
 phenatoine nothandled unknown x,x
 phenazon nothandled unknown x,x
 phenformin root root N=C(NC(N)=N)NCCC1=CC=CC=C1,x
 phenonyl nothandled unknown x,x
 phenoxethol nothandled unknown x,x
 phenoxybenzamine nothandled unknown x,x
 phenoxytol nothandled unknown x,x
 phenvalerate nothandled unknown x,x
 phloretin root root O=C(CCC2=CC=C(O)C=C2)C1=C(O)C=C(O)C=C1O,x
 phosphaniline nothandled unknown x,x
 phosphestrol nothandled unknown x,x
 phosphotrienin nothandled unknown x,x
 phthalazinol nothandled unknown x,x
 phytin nothandled unknown x,x
 pinacolin nothandled unknown x,x
 piperazate nothandled unknown x,x
 piperidolate root root O=C(OC2CN(CC)CCC2)C(C3=CC=CC=C3)C1=CC=CC=C1,x
 pivalone nothandled unknown x,x
 pivalyn nothandled unknown x,x
 propal nothandled unknown x,x
 propamidine nothandled unknown x,x
 propargite nothandled unknown x,x
 propazolamide nothandled unknown x,x
 propiodal nothandled unknown x,x

each|electrolytic|electronic|electrophoresis|environmental|esterification|extrac
 tion|extrapure stopword toend x,x
 fcc|filings|fine|finest|flake|flakes|fluorescent|fluorimetric|foil|for|freeradic
 al|from|fume stopword toend x,x
 gas|gauze|gcstandard|glacial|granular|granulate|granule|granules stopword toend
 x,x
 heavy|hplc|hydrophobic stopword toend x,x
 indicator|ingot|ingots|iupac stopword toend x,x
 light|liquid|loose|low|lump|lumps stopword toend x,x
 mainly|maycontain|metal|metals|minimum|moist|mossy stopword toend x,x
 native|natural|needle|needles|notstabilized stopword toend x,x
 on|onactivatedcarbon|optical|organic stopword toend x,x
 particle|pearl|pearls|pellet|pellets|photopolymerization|piece|pieces|plasticize
 r stopword toend x,x
 plate|plates|porous|powder|pract|practical|predominantly|predominatly|primarysta
 ndard|puratronic|pure|purum stopword toend x,x
 reagent|reagentfor|reagentacs|redox|reference|remainder|research|ribbon|ribbons|
 rod|rods stopword toend x,x
 scale|scales|scoop|secondarystandard|selective|sensitive|shaving|shavings|shot
 stopword toend x,x
 simultaneous|singlecrystal|slug|slugs|soft|solid|solution|soot|spectrographic|sp
 ectrophotometric stopword toend x,x
 sphere|spheres|spin|sponge|spray|stab|stabilized|stable|standard|stick|sticks|su
 spension|synthetic|syrup|syrupy stopword toend x,x
 tablet|tablets|tech|technical|thinfoil|titrant|topical|turnings|typically
 stopword toend x,x
 ultra|ultrapure|unstabilized|ultrathinfoil|usp|uvgrade stopword toend x,x
 vial|volumetricstandard stopword toend x,x
 wet|wire|wires|wool stopword toend x,x
 zonerefined stopword toend x,x
 24d|245t|24dnp buildable unknown x,x
 thinfoil|ultrathinfoil|singlecrystal buildable unknown x,x
 antibovine|anticat|antichicken|antidog|antigoat|antiguineapig|antihorse|antihuma
 n|antimonkey|antirabbit|antirat|antisheep notthisversion macromolecule x,x
 tetrahydroprogesterone|tetrahydroprogesteron buildable unknown x,x
 hydrofluoride|hydrochloride|methochloride|methobromide|hydrobromide|hydroiodide|
 hydriodide|methiodide|methiodide|ethiodide|ethiodide buildable unknown x,x
 cyclopentadefphenanthren|cyclopentadefphenanthrene buildable unknown x,x
 1011dihydrocinchon|1011dihydrocinchonine|1011dihydrocinchonin|1011dihydroquinidi
 ne|1011dihydrocinchonidine|1011dihydrocinchonidin buildable unknown x,x
 1011dihydroquinine|1011dihydroquinin|dihydroquinine|dihydroquinin|hydroquinine|h
 ydroquinin buildable unknown x,x
 alphaergocryptine|alphaergocryptin|alphaergocriptine|alphaergocriptin buildable
 unknown x,x
 betaergocryptine|betaergocryptin|betaergocriptine|betaergocriptin|bergocryptine|
 bergocryptin|bergocriptine|bergocriptin buildable unknown x,x
 alphaergocryptinine|alphaergocryptinin|alphaergocriptinine|alphaergocriptinin
 buildable unknown x,x
 betaergocryptinine|betaergocryptinin|betaergocriptinine|betaergocriptinin|bergoc
 riptinine|bergocryptinin|bergocriptinine|bergocriptinin buildable unknown x,x
 1alphah5alphahtropan buildable unknown x,x
 ethylvanillin|ethylcitral buildable unknown x,x
 orthocatechol buildable unknown x,x
 isatoicanhydride buildable unknown x,x
 cresylicacid buildable unknown x,x
 chlorosulfamicacid buildable unknown x,x

[illegible]

activatedcarbon|onactivatedcarbon buildable unknown x,x
 extrapure buildable unknown x,x
 maycontain buildable unknown x,x
 volumetricstandard buildable unknown x,x
 notstabilized buildable unknown x,x
 zonerefined buildable unknown x,x
 standardsolution buildable unknown x,x
 wt buildable unknown x,x
 phosphorustriamide buildable unknown x,x
 nepsilon buildable unknown x,x
 betacarboline buildable unknown x,x
 pentamethylenetetramine|pentamethylenetetramin buildable unknown x,x
 hexamethylenetetramine|hexamethylenetetramin buildable unknown x,x
 ochloranil|mchloranil|pchloranil buildable unknown x,x
 mesoinositol|myoinositol|dinositol|linositol|scylloinositol|epiinositol
 buildable unknown x,x
 stainlesssteel buildable unknown x,x
 alphafuril buildable unknown x,x
 alphapinene|betapinene buildable unknown x,x
 chrysoidiner buildable unknown x,x
 naphtholas buildable unknown x,x
 neutralbuffer buildable unknown x,x
 alphacumyl buildable unknown x,x
 alphaphellandrene|betaphellandrene buildable unknown x,x
 bisphenola buildable unknown x,x
 alphalip|alip buildable unknown x,x
 alpharesorcyl|aresorcyl|betaresorcyl|bresorcyl|gammaaresorcyl|gresorcyl buildable
 unknown x,x
 gerani buildable unknown x,x
 lascorb buildable unknown x,x
 vitaminh|vitaminb1|thiaminedisulfide|vitaminb2|vitamine|alphatocopherol|atocophe
 rol buildable unknown x,x
 vitamind3 buildable unknown x,x
 phenolsulfonphthalein|phenolsulfonephthalein|m cresolsulfonphthalein|m cresolsulfo
 nephthalein|ocresolsulfonphthalein|ocresolsulfonephthalein|pyrocatecholsulfonpht
 halein|pyrocatecholsulfonephthalein|pyrogallolsulfonphthalein|pyrogallolsulfonep
 hthalein|thymolsulfonphthalein|thymolsulfonephthalein|phenolphthalein|m cresolpht
 halein|ocresolphthalein|pyrocatecholphtalein|pyrogallolphthalein|thymolphthalei
 n buildable unknown x,x
 freeradical buildable unknown x,x
 obenzeno buildable unknown x,x
 ptoluquinone|pxyloquinone buildable unknown x,x
 cyclopentaaphenanthrene|cyclopentaaphenanthren buildable unknown x,x
 pdioxine|mdioxine|pdioxin|mdioxin buildable unknown x,x
 asindacene|asindacen|sindacene|sindacen buildable unknown x,x
 sendachromeal buildable unknown x,x
 isonicotino|isonicotin buildable unknown x,x
 leucicacid buildable unknown x,x
 isoser buildable unknown x,x
 isoval buildable unknown x,x
 isoleuc buildable unknown x,x
 tleuc|tertleuc buildable unknown x,x
 orthotyros buildable unknown x,x
 mtyros|metatyros buildable unknown x,x
 ptyros|paratyros buildable unknown x,x
 hydroxyprol|3hydroxyprol|4hydroxyprol|5hydroxyprol buildable unknown x,x
 3phenylalan|betaphenylalan buildable unknown x,x

dtartar|dtartr|mesotartar|mesotartr buildable unknown x,x
 tetrafluoroborate|tetrafluoroborate1 buildable unknown x,x
 fluorosilicate|fluorosilicat|hexafluorosilicate|hexafluorosilicat buildable
 unknown x,x
 onnazoxy|nnoazoxy|nonazoxy buildable unknown x,x
 glycolacetal|glycolketal buildable unknown x,x
 moll|mgml|microgml|glt|reagentfor|reagentacs|acsreagent buildable unknown x,x
 ptosylate|ptosyl buildable unknown x,x
 oxazine1|oxazine4 buildable unknown x,x
 tboc buildable unknown x,x
 iumion|ideion|iumcation|ideanion buildable unknown x,x
 isobutyro|isobutyr buildable unknown x,x
 isovalero|isovaler buildable unknown x,x
 isophthalo|mpthalo|isophthal|mpththal buildable unknown x,x
 terephthalo|ppthalo|terephthal|ppththal buildable unknown x,x
 etherof buildable unknown x,x
 esterswith|estersof|esterwith|esterof buildable unknown x,x
 saltof buildable unknown x,x
 iclactone|iclacton buildable unknown x,x
 iclactam buildable unknown x,x
 anhydridewith buildable unknown x,x
 cyclicanhydride buildable unknown x,x
 phosphoruspentoxide buildable unknown x,x
 allcis buildable unknown x,x
 alltrans buildable unknown x,x
 acinitro buildable unknown x,x
 astriazine|astriazin|striazine|striazin|asymtriazine|asymtriazin|symtriazine|sym
 triazin buildable unknown x,x
 astrioxane|astrioxan|strioxane|strioxan|asymtrioxane|asymtrioxan|symtrioxane|sym
 trioxan buildable unknown x,x
 astriazino|striazino|asymtriazino|symtriazino buildable unknown x,x
 astrioxano|strioxano|asymtrioxano|symtrioxano buildable unknown x,x
 astrithiane|astrithian|strithiane|strithian|asymtrithiane|asymtrithian|symtrithi
 ane|symtrithian buildable unknown x,x
 thiurammonosulfide|thiuramdisulfide|thiuramtrisulfide|thiuramtrisulfid|thiuramte
 trasulfide|thiuramtetrasulfid buildable unknown x,x
 isourea|isothiurea|lisoureido|3isoureido|1isothioureido|3isothioureido|1isosele
 noureido|3isosenoureido|1isotelluroureido|3isotelluroureido buildable unknown
 x,x
 ' typo typo '
 " typo typo ''
 ± typo typo +/-
 μ typo typo mu
 , - typo typo -
 § typo typo beta
 -> typo typo -fwdarw-
 (alpha) typo typo alpha
 (beta) typo typo beta
 (gamma) typo typo gamma
 (delta) typo typo delta
 (epsilon) typo typo epsilon
 (omega) typo typo omega
 (ortho) typo typo ortho
 (meta) typo typo meta
 (para) typo typo para
 (tau) typo typo tau
 -oxyl typo typo -oxyradical

Figure 1 illustrates the 12 experimental conditions in a 3x4 grid. Each diagram shows a sequence of events: a cue (a small circle) appears, followed by a target (a larger circle) or no target. The diagrams are labeled with 'Cue+' or 'Cue-' and 'Target+' or 'Target-'.

Condition	Cue	Target
1	Cue+	Target+
2	Cue+	Target-
3	Cue-	Target+
4	Cue-	Target-
5	Cue+	Target+
6	Cue+	Target-
7	Cue-	Target+
8	Cue-	Target-
9	Cue+	Target+
10	Cue+	Target-
11	Cue-	Target+
12	Cue-	Target-

Variable	Mean	SD	Min	Max	Median	Q1	Q3	Mode	Skewness	Kurtosis	Normality
Age	35.2	12.5	18	65	32	28	38	35	0.15	2.8	0.95
Gender	1.2	0.4	1	2	1	1	1	1	0.05	1.2	0.98
Marital Status	2.1	0.8	1	3	2	1	3	2	0.10	2.5	0.96
Education	15.8	2.1	10	20	16	15	17	16	0.08	2.2	0.97
Income	4500	1500	1000	10000	4000	3000	5500	4500	0.12	2.9	0.94
Occupation	1.5	0.5	1	3	1	1	2	1	0.05	1.1	0.98
Health Status	2.5	0.6	1	3	2	1	3	2	0.10	2.4	0.96
Stress Level	3.2	1.1	1	5	3	2	4	3	0.15	2.7	0.95
Life Satisfaction	4.1	0.9	1	5	4	3	5	4	0.08	2.3	0.97
Resilience	3.8	1.0	1	5	3	2	4	3	0.12	2.6	0.96
Optimism	4.3	0.8	1	5	4	3	5	4	0.05	2.1	0.98
Gratitude	4.5	0.7	1	5	4	3	5	4	0.03	2.0	0.99
Self-Esteem	3.9	0.9	1	5	3	2	4	3	0.10	2.5	0.96
Emotional Stability	3.7	1.0	1	5	3	2	4	3	0.12	2.6	0.96
Life Satisfaction	4.1	0.9	1	5	4	3	5	4	0.08	2.3	0.97
Resilience	3.8	1.0	1	5	3	2	4	3	0.12	2.6	0.96
Optimism	4.3	0.8	1	5	4	3	5	4	0.05	2.1	0.98
Gratitude	4.5	0.7	1	5	4	3	5	4	0.03	2.0	0.99
Self-Esteem	3.9	0.9	1	5	3	2	4	3	0.10	2.5	0.96
Emotional Stability	3.7	1.0	1	5	3	2	4	3	0.12	2.6	0.96

Figure 1 is a schematic representation of the experimental design. It shows a vertical timeline of events for two groups: 'Control' and 'Experimental'. The timeline starts with 'Baseline' and ends with 'Post-test'. The 'Control' group receives 'Baseline', 'Training', and 'Post-test'. The 'Experimental' group receives 'Baseline', 'Training', 'Post-test', and 'Follow-up'. The 'Training' phase is divided into 'Pre-training' and 'Training' sub-phases. The 'Post-test' phase is divided into 'Post-test' and 'Follow-up' sub-phases. The 'Follow-up' phase is further divided into 'Follow-up' and 'Post-test' sub-phases. The 'Control' group is represented by a solid line, and the 'Experimental' group is represented by a dashed line.

threonic typo typo threonic
 tricaprin typo typo tricapr-in
 tricaproin typo typo trihexanoin
 trichloromethylsulfen|trichloromethanesulfen typo typo (trichloromethyl)sulfen
 trifluoromethylsulfen|trifluoromethanesulfen typo typo (trifluoromethyl)sulfen
 trioleate typo typo (tris)oleate
 triolein typo typo tri-ole-in
 trioleoyl typo typo (tris)oleoyl
 trioleyl typo typo (tris)oleyl
 triphosphate typo typo triphosphate
 trithioperoxy typo typo thiodithioperoxy
 tritolyl typo typo tristolyl
 tropilidene typo typo 2,4,6-cyclohexatriene
 tyrosinate typo typo tyrosin-ate
 uloson typo typo ulo-on
 xanthylic typo typo xanthonylic
 xylul typo typo threopentul
 acidic notthisversion unknown x,x
 activatedcarbon notthisversion bulksolid x,x
 agarose notthisversion macromolecule x,x
 agar notthisversion macromolecule x,x
 agglutinin notthisversion macromolecule x,x
 albumin notthisversion macromolecule x,x
 alkonium notthisversion mixture x,x
 alkyl|alkyl* notthisversion mixture x,x
 alloy notthisversion bulksolid x,x
 algin notthisversion macromolecule x,x
 alumina notthisversion bulksolid x,x
 amalgam notthisversion bulksolid x,x
 amyloid notthisversion macromolecule x,x
 amylose notthisversion macromolecule x,x
 angiotensin notthisversion macromolecule x,x
 anthocyanidin notthisversion mixture x,x
 anthocyanin notthisversion mixture x,x
 antibody notthisversion macromolecule x,x
 antibovine notthisversion macromolecule x,x
 anticat notthisversion macromolecule x,x
 antichicken notthisversion macromolecule x,x
 antidog notthisversion macromolecule x,x
 antigoat notthisversion macromolecule x,x
 antiguineapig notthisversion macromolecule x,x
 antihorse notthisversion macromolecule x,x
 antihuman notthisversion macromolecule x,x
 antimonkey notthisversion macromolecule x,x
 antirabbit notthisversion macromolecule x,x
 antirat notthisversion macromolecule x,x
 antisheep notthisversion macromolecule x,x
 ase notthisversion macromolecule x,x
 asphalt notthisversion mixture x,x
 avidin notthisversion macromolecule x,x
 azure notthisversion color x,x
 bacitracin notthisversion macromolecule x,x
 bead|beads notthisversion bulksolid x,x
 bentonite notthisversion bulksolid x,x
 black notthisversion color x,x
 block notthisversion polymer x,x
 blue notthisversion color x,x

galactan notthisversion polymer x,x
gelatin|gelatine notthisversion macromolecule x,x
gliadin notthisversion macromolecule x,x
globulin notthisversion macromolecule x,x
glove|gloves notthisversion bulksolid x,x
gluten notthisversion macromolecule x,x
glutenin notthisversion macromolecule x,x
gonadotropin notthisversion macromolecule x,x
graphite notthisversion bulksolid x,x
green notthisversion color x,x
grey|gray notthisversion color x,x
gum notthisversion mixture x,x
hemi notthisversion hemi x,x
hemoglobin notthisversion macromolecule x,x
heparin|heparan notthisversion macromolecule x,x
histone notthisversion macromolecule x,x
hormone notthisversion macromolecule x,x
hyaluron notthisversion macromolecule x,x
hydrocarbon|hydrocarbons notthisversion mixture x,x
insulin notthisversion macromolecule x,x
interferon notthisversion macromolecule x,x
interleukin notthisversion macromolecule x,x
inulin notthisversion macromolecule x,x
isotope notthisversion isotope x,x
kaolin notthisversion macromolecule x,x
kephalin notthisversion macromolecule x,x
keratin notthisversion macromolecule x,x
kerosene|kerosine notthisversion mixture x,x
kit notthisversion mixture x,x
kitasamycin notthisversion mixture x,x
lake notthisversion color x,x
laminaran notthisversion macromolecule x,x
lanolin notthisversion macromolecule x,x
latex notthisversion polymer x,x
lecithin notthisversion macromolecule x,x
lectin notthisversion macromolecule x,x
lignine|lignin notthisversion macromolecule x,x
ligroin|ligroine notthisversion mixture x,x
litmus notthisversion macromolecule x,x
lysozyme notthisversion macromolecule x,x
magenta notthisversion color x,x
mannan notthisversion macromolecule x,x
mixed|mixt|mixture|mixtures notthisversion mixture x,x
mer|mers notthisversion polymer x,x
merase notthisversion macromolecule x,x
mu notthisversion inorgcomplex x,x
mucin notthisversion macromolecule x,x
myoglobin notthisversion macromolecule x,x
myosin notthisversion macromolecule x,x
naphthen notthisversion macromolecule x,x
neurokinin notthisversion macromolecule x,x
neurotensin notthisversion macromolecule x,x
nigrosine notthisversion macromolecule x,x
norit notthisversion bulksolid x,x
nucle notthisversion macromolecule x,x
nuclein notthisversion macromolecule x,x
nylon notthisversion polymer x,x

項目	1990年	1991年	1992年	1993年	1994年	1995年	1996年	1997年	1998年	1999年	2000年	2001年	2002年	2003年	2004年	2005年	2006年	2007年	2008年	2009年	2010年	2011年	2012年	2013年	2014年	2015年	2016年	2017年	2018年	2019年	2020年	2021年	2022年	2023年	2024年	2025年	2026年	2027年	2028年	2029年	2030年	2031年	2032年	2033年	2034年	2035年	2036年	2037年	2038年	2039年	2040年	2041年	2042年	2043年	2044年	2045年	2046年	2047年	2048年	2049年	2050年	2051年	2052年	2053年	2054年	2055年	2056年	2057年	2058年	2059年	2060年	2061年	2062年	2063年	2064年	2065年	2066年	2067年	2068年	2069年	2070年	2071年	2072年	2073年	2074年	2075年	2076年	2077年	2078年	2079年	2080年	2081年	2082年	2083年	2084年	2085年	2086年	2087年	2088年	2089年	2090年	2091年	2092年	2093年	2094年	2095年	2096年	2097年	2098年	2099年	2100年																																																								
人口	120,000,000	121,000,000	122,000,000	123,000,000	124,000,000	125,000,000	126,000,000	127,000,000	128,000,000	129,000,000	130,000,000	131,000,000	132,000,000	133,000,000	134,000,000	135,000,000	136,000,000	137,000,000	138,000,000	139,000,000	140,000,000	141,000,000	142,000,000	143,000,000	144,000,000	145,000,000	146,000,000	147,000,000	148,000,000	149,000,000	150,000,000	151,000,000	152,000,000	153,000,000	154,000,000	155,000,000	156,000,000	157,000,000	158,000,000	159,000,000	160,000,000	161,000,000	162,000,000	163,000,000	164,000,000	165,000,000	166,000,000	167,000,000	168,000,000	169,000,000	170,000,000	171,000,000	172,000,000	173,000,000	174,000,000	175,000,000	176,000,000	177,000,000	178,000,000	179,000,000	180,000,000	181,000,000	182,000,000	183,000,000	184,000,000	185,000,000	186,000,000	187,000,000	188,000,000	189,000,000	190,000,000	191,000,000	192,000,000	193,000,000	194,000,000	195,000,000	196,000,000	197,000,000	198,000,000	199,000,000	200,000,000	201,000,000	202,000,000	203,000,000	204,000,000	205,000,000	206,000,000	207,000,000	208,000,000	209,000,000	210,000,000	211,000,000	212,000,000	213,000,000	214,000,000	215,000,000	216,000,000	217,000,000	218,000,000	219,000,000	220,000,000	221,000,000	222,000,000	223,000,000	224,000,000	225,000,000	226,000,000	227,000,000	228,000,000	229,000,000	230,000,000	231,000,000	232,000,000	233,000,000	234,000,000	235,000,000	236,000,000	237,000,000	238,000,000	239,000,000	240,000,000	241,000,000	242,000,000	243,000,000	244,000,000	245,000,000	246,000,000	247,000,000	248,000,000	249,000,000	250,000,000	251,000,000	252,000,000	253,000,000	254,000,000	255,000,000	256,000,000	257,000,000	258,000,000	259,000,000	260,000,000	261,000,000	262,000,000	263,000,000	264,000,000	265,000,000	266,000,000	267,000,000	268,000,000	269,000,000	270,000,000	271,000,000	272,000,000	273,000,000	274,000,000	275,000,000	276,000,000	277,000,000	278,000,000	279,000,000	280,000,000	281,000,000	282,000,000	283,000,000	284,000,000	285,000,000	286,000,000

vasopressin notthisversion macromolecule x,x
venom notthisversion mixture x,x
violet notthisversion color x,x
wax notthisversion bulksolid x,x
white notthisversion color x,x
xylan notthisversion macromolecule x,x
yeast notthisversion bulksolid x,x
yellow notthisversion color x,x
yttria notthisversion bulksolid x,x
zein notthisversion macromolecule x,x
zeolite notthisversion bulksolid x,x
zephiran notthisversion macromolecule x,x
zephirol notthisversion macromolecule x,x
zirconia notthisversion bulksolid x,x
zyme notthisversion macromolecule x,x
ortho ordinal ordinal x,x
epsilon ordinal ordinal x,x
nepson ordinal ordinal x,x
npi ordinal ordinal x,x